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Fisheries of the United States, 1971

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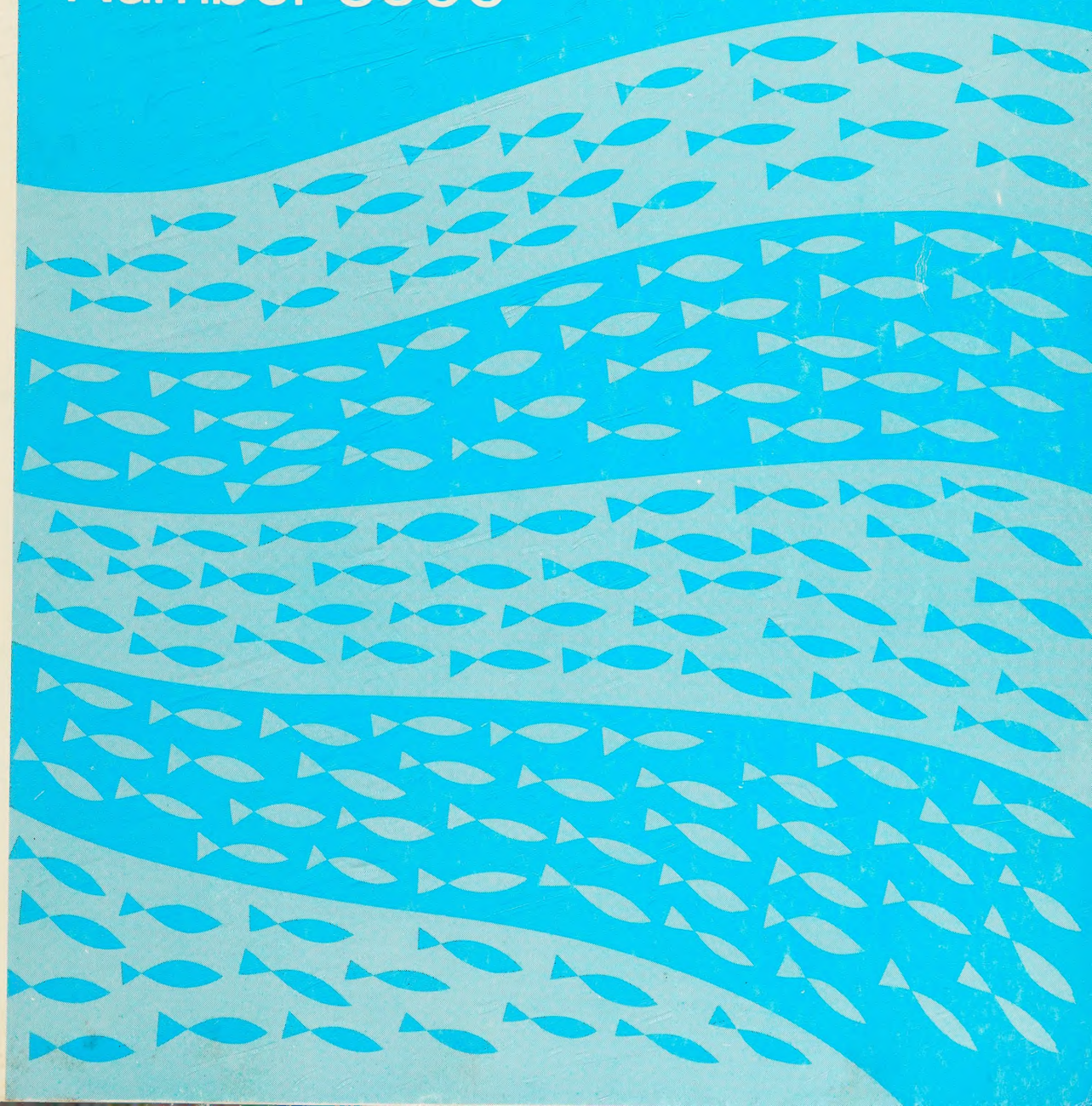

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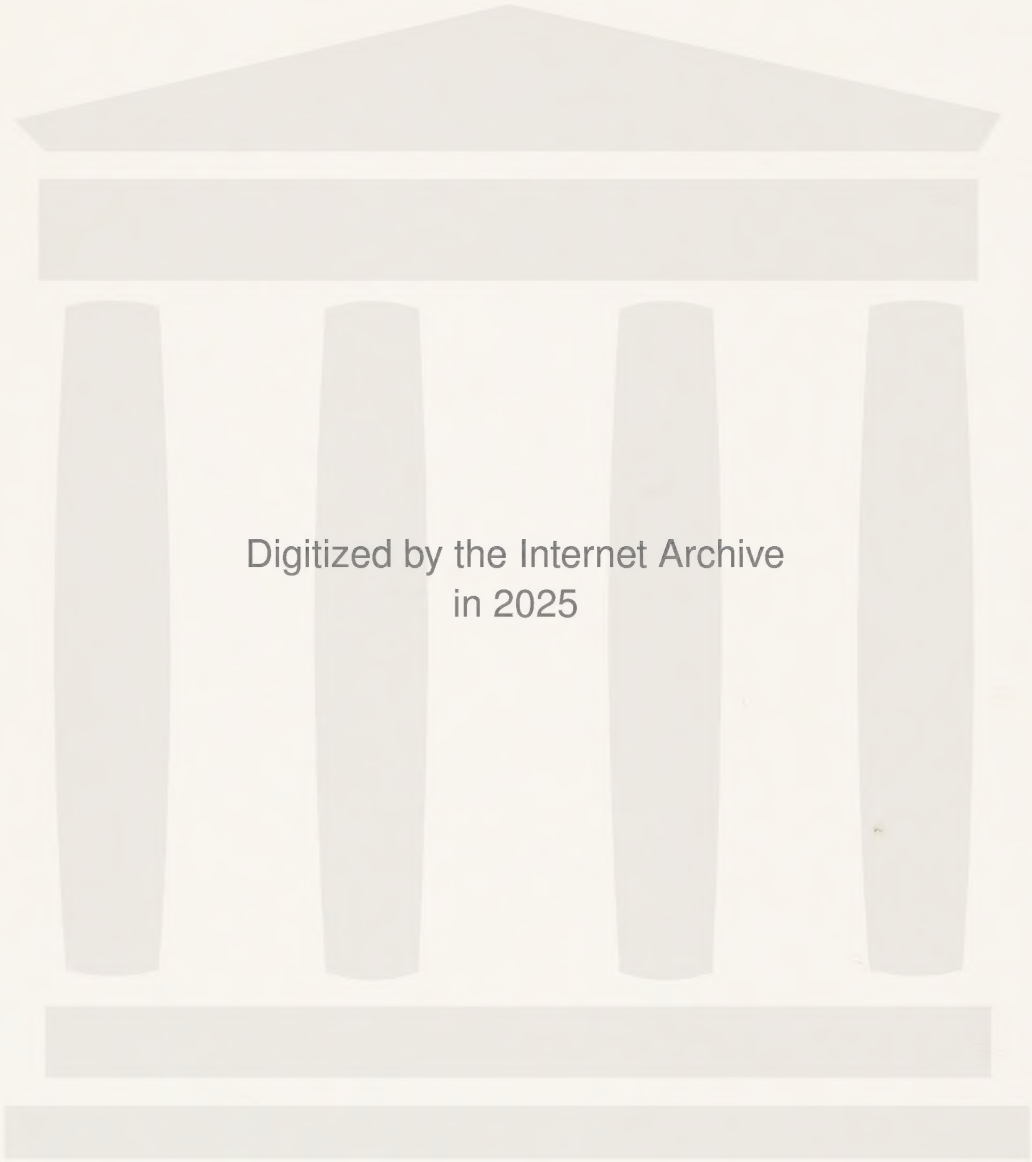
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Current Fishery Statistics No. 5900

Fisheries of the United States, 1971

Prepared by
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WASHINGTON, D.C.
March 1972

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PREFACE

This is a preliminary report on the fisheries of the United States for 1971. The report is a continuation of similar annual reports designed to convey under one cover timely answers to frequently asked questions for the year just ended. The final report will be published in "Fishery Statistics of the United States, 1971 (Statistical Digest No. 65)."

The information presented in this report came from many sources. The data on quantity and value of U.S. landings and processed products were collected and compiled by the Regional Statistics and Market News Divisions of the National Marine Fisheries Service (NMFS) in cooperation with the various States. The data were tabulated and made ready for publication by the Washington Office of the Statistics and Market News Division. Sources of other data appearing in this publication are: "Yearbook of Fisheries Statistics," Food and Agriculture Organization of the United Nations; Department of Commerce, Bureau of the Census; and Department of Labor, Bureau of Labor Statistics.

We have made numerous changes in this year's issue in response to suggestions from our many readers. We have added a glossary to define technical terms used in this report. Data are presented for the first time on U.S. commercial landings by distance caught from the shores of the United States, and on full-time and part-time commercial fishermen. Some of the data on processing and wholesaling establishments are shown by region and State for the first time. A table on marine sport fisheries also has been added. The federal responsibility for marine sport fisheries was transferred from the Bureau of Sport Fisheries and Wildlife in the U.S. Department of the Interior to the National Marine Fisheries Service when this agency and its parent agency, the National Oceanic and Atmospheric Administration, were created in 1970 within the U.S. Department of Commerce.

This is the first year that some of the above data have been collected. Estimating procedures may not in all cases be fully worked out and therefore may not be as precise as those for our older series. We assume the reader will take to heart the footnote "estimated" when using the data.

The NMFS Statistics and Market News Division wants to take this opportunity to thank all of those States and members of industry who continually provide the data that make reports such as this one possible. We want to remind the readers that all data appearing in this publication are consistent with the provisions of the Federal Reports Act of 1942.

Because the aim of the Statistics and Market News Division is to provide the kinds of data that are wanted by users of fisheries statistics, the Division welcomes any comments or suggestions that will lead to an improvement in the presentation of fisheries data. Please address any comments or suggestions to: Chief, Statistics and Market News Division, National Marine Fisheries Service, 1815 North Fort Myer Drive, Room 505, Arlington, Virginia 22209.

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REVIEW

U.S. commercial fishery landings in 1971 were 5.0 billion pounds valued at dockside (ex-vessel) at $643 million--the fifth largest landings and the highest dollar value in the history of U.S. fisheries. The quantity landed was 1 percent greater than in 1970 and was exceeded by landings only in 1956, 1959, 1961, and 1962. The value was 5 percent greater than in 1970, the previous record year. The average value per pound of 12.94 cents in 1971 also was a record high.

Total U.S. landings of fishery products for human food were 2.4 billion pounds in 1971, a decline of 4 percent as compared with 1970. On the other hand, total U.S. landings of industrial fish increased by 7 percent in 1971 and reached 2.6 billion pounds as compared with 2.4 billion pounds in the previous year.

Total U.S. landings were heavier in 1971 than in 1970 principally because of large landings of menhaden, a fish used almost exclusively for processing into fish meal and oil. Among the other important fisheries, shrimp landings set a new record but total landings of tuna (excluding landings in Puerto Rico) were down 12 percent and salmon landings were down 24 percent as compared with the previous year. The increase in value of the total U.S. catch of all species was due largely to higher exvessel prices for most species in 1971 as compared with 1970.

Landings of menhaden in the Gulf States and landings of shrimp in the Pacific Coast States (mainly Alaska) were the largest on record. Landings of bonito and Pacific cod increased several fold and landings increased sharply for the following species: croaker, sea trout, bluefin and skipjack tuna, king crabs, and shrimp landed in the South Atlantic States. Landings declined markedly for a number of species including anchovies, haddock, halibut, Pacific ocean perch, pink salmon, red salmon, silver salmon, swordfish, yellowfin tuna, whiting, surf clams, and dungeness crabs.

The value of processed fishery products produced in this country from both domestic and imported raw materials was a record $1.85 billion--7 percent above 1970. The 1971 canned pack of human and animal food of 46.3 million standard cases valued at $763.5 million was up slightly compared with 1970's pack of 46.2 million cases valued at $741.8 million. There were record packs of tuna, animal (pet) food, clam chowder, and a larger production of canned alewives, mackerel, Maine sardines, and oysters. Production of fish sticks and portions was 337.4 million pounds valued at a record $179.6 million. Breaded shrimp production was 104.3 million pounds valued at a record $120.8 million. Production of industrial fishery products was valued at $105.7 million, a gain of $6.1 million over 1970.

Cold storage holdings reached a record high of 338 million pounds at the end of September 1971, but by year end, holdings had declined to 302 million pounds, as compared with 306 million pounds at the end of 1970. Imports of edible fishery products were 1.8 billion pounds valued at $873 million. This was a 6 percent decline in quantity but an increase in value of 7 percent. Exports of edible domestic fishery products were 172 million pounds valued at $114 million in 1971, an increase of 22 percent in quantity and 21 percent in value as compared with 1970.

In 1971 the U.S. civilian consumption of edible fishery products was 11.2 pounds per capita--down considerably from the 1970 per capita consumption of 11.8 pounds.

REVIEW

HIGHLIGHTS

RECORDS ESTABLISHED

- CATCH
  - Total value --- $643.2 million. . . . . .(previous high, 1970 -- $612.9 million).
  - Menhaden, Gulf --- 1.6 billion pounds. . . . . .(previous high, 1970 --1.2 billion pounds).
  - Shrimp --- 387.9 million pounds (heads-on basis) and $166.6 million. . . . . (previous high, 1970 -- 367.5 million pounds, heads-on basis and $129.8 million).
- PROCESSED FISHERY PRODUCTS
  - Total value --- $1,850 million. . . . . .(previous high, 1970 -- $1,727 million).
  - Tuna, canned --- 22.2 million standard cases. . . . . .(previous high, 1970 -- 22.1 million cases).
  - Animal (pet) food, canned -- 11,297 thousand standard cases. . . . . (previous high, 1970 -- 11,244 thousand cases).
  - Fish portions --- 239.7 million pounds. . . . . .(previous high, 1970 -- 234.2 million pounds).
- IMPORTS
  - Total value --- $1,059.7 million. . . . . .(previous high, 1970 -- $1,037.4 million).
  - Edible fishery products --- $872.5 million. . . . . .(previous high, 1970 -- $812.5 million).
  - Tuna, other than albacore, frozen --- 278.8 million pounds. . . . . .(previous high, 1970 -- 234.3 million pounds).
  - Scallops, sea (meats) --- 17.4 million pounds. . . . . .(previous high, 1970 -- 16.8 million pounds).
  - Fish blocks and slabs --- 311.7 million pounds. . . . . .(previous high, 1970-- 272.7 million pounds).
- EXPORTS
  - Total value, domestic products --- $139.2 million. . . . . .(previous high, 1970 -- $117.5 million).
  - Salmon, domestic, fresh or frozen --- 32.9 million pounds. . . . . (previous high, 1969 -- 30.6 million pounds).
  - Shrimp, domestic, canned --- 8.3 million pounds. . . . . .(previous high, 1970 -- 6.1 million pounds).
  - Shrimp, domestic, fresh or frozen --- 30.0 million pounds. . . . . .(previous high, 1970 -- 29.6 million pounds).

OTHER IMPORTANT FACTS

- Menhaden landings of 2.2 billion pounds accounted for 44 percent of the total United States landings of all species.

- Shrimp accounted for 8 percent of the quantity and 26 percent of the value of the total United States landings.

- Louisiana led all States in volume of landings -- 1,396.2 million pounds -- followed by California, 585.5 million pounds --- Virginia, 489.0 million pounds --- Alaska, 449.1 million pounds --- and Mississippi, 397.6 million pounds.

- California led all States in value of landings -- $87.2 million -- followed by Alaska, $84.5 million -- Louisiana, $72.6 million -- Texas, $70.0 million -- Massachusetts, $46.0 million, and Florida, $45.2 million.

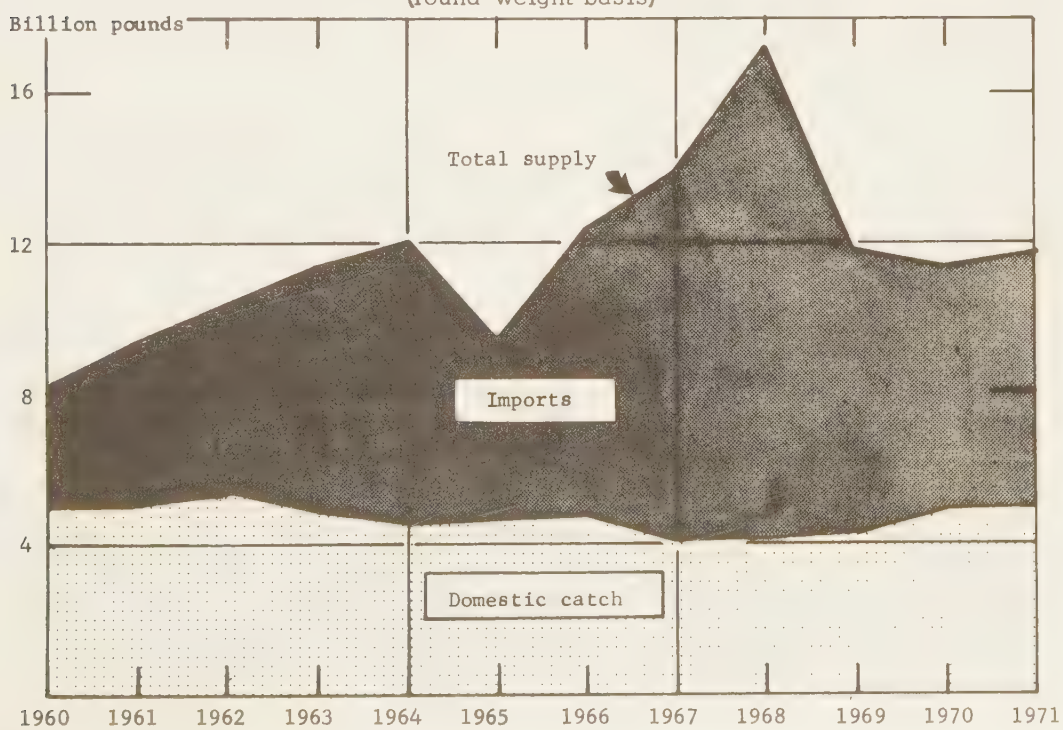
- Cameron, Louisiana led all other U.S. fishing ports in quantity landed and San Pedro, California led all other domestic fishing ports in value of landings.

- The 1971 landings of tuna by American flag vessels at Puerto Rico and American Samoa were 128.8 million pounds.

- The 1971 landings of shrimp by American flag vessels at ports in South and Central America were reported as 17.5 million pounds (heads-on) valued at $23.3 million -- down sharply from the 48.8 million pounds valued at $30.4 million landed in 1970. The number of American flag vessels in this fishery in 1971 was 250 vessels.

- The Secretary of Commerce halted the taking or processing of whales on the Department of the Interior's Endangered Species List--blue, bowhead, finback, gray, humpback, right, sei, and sperm--after December 31, 1971. The importation of these whales or products thereof also was halted after that date.

TOTAL U.S. SUPPLY OF FISHERY PRODUCTS, 1960-71
(round-weight basis)



IMPORTANT SPECIES

Shrimp. . . . .U.S. shrimp fishermen for the second year in a row established record landings and for the third year established a record value of shrimp with a volume of 387.9 million pounds (heads-on) and an exvessel value of $166.6 million. This represented a 20.5 million-pound-increase over 1970, and a $36.9 million increase over 1970's value. Prices of shrimp at all levels--boat to consumer--started at normal levels at the beginning of the year and climbed steadily to new highs that few would ever have anticipated. For example, the average wholesale price for 26-30 count Gulf, brown shrimp went from an average $1.18 per pound in December 1970 to $1.80 per pound in December 1971.

Landings in the Gulf States as usual accounted for most of the shrimp landings--227.1 million pounds out of the total 387.9 million. Louisiana remained the leading producer in the Gulf with landings of 92.4 million pounds, heads-on.

Fishermen along the South Atlantic Coast had improved landings over the poor year they experienced during 1970. Record values at all levels contributed to a more successful year financially than volume data would indicate.

Pacific Coast States had a new record year with landings of 105.5 million pounds valued at $5.3 million. Alaska remained the biggest producer with landings totaling 94.1 million pounds valued at $3.8 million, 89 percent of the volume and 72 percent of the value of total Pacific Coast shrimp landings. The shrimp fishery at Kodiak experienced rapid growth in 1971. The number of vessels increased from 33-35 in 1970 to 45-50 in 1971, and the processing industry nearly doubled its capacity with five additional plants. The shrimp fishery in Alaska is now exceeded only by the salmon fishery.

U.S. imports of shrimp totaled 191.3 million pounds--26.4 million pounds less than the previous record year 1970, but only about 2 million pounds less than the 193.3 million five-year average of 1966-70. Mexico remained the leading exporter to the U.S.

Salmon. . . . .Pacific salmon landings of 312.1 million pounds worth $77.8 million were 98.0 million pounds and $20.9 million less than in 1970. All species declined in both volume and value except chinook salmon which increased slightly in volume compared with the previous year. The 1971 canned pack of Pacific salmon was 3.4 million cases--compared with 3.8 million cases in 1970.

Alaska landings were about 75 percent of total Pacific salmon landings. Highlights of the 1971 season were: the 7.4 million pink salmon harvest in Prince William Sound, the largest since 1947 when 8.1 million pinks were taken; a good pink salmon escapement in Southeastern Alaska which may reverse the recent trend of weakness in odd-year runs (if survival is good); and the accuracy of the forecast of 15.2 million fish in the Bristol Bay sockeye runs--exceeded slightly by a return of 15.5 million fish.

Tuna. . . . .Landings of tuna in the continental United States and Hawaii were 348.0 million pounds worth $75.5 million--a decline of 45.5 million pounds but an increase of $553,000 compared with 1970. The higher exvessel value resulted principally from increases in the average price per pound received by fishermen for albacore, little, skipjack, and yellowfin tuna. Fishermen on the Washington and Oregon coasts received a record $630 per ton for albacore tuna--$90 per ton more than in 1970.

Principal reason for the smaller harvest was a marked decline in landings of yellowfin tuna--165.2 million pounds in 1971 compared with 237.4 million in 1970. Albacore landings of 44.9 million pounds were 11.3 million less than in 1970. Total albacore landings from waters off the Pacific Northwest declined sharply compared with the record production of 1970. Landings of bluefin (22.2 million pounds) and skipjack tuna (115.3 million) increased 44 percent and 37 percent, respectively, compared with the previous year.

The Inter-American Tropical Tuna Commission set a 1971 quota of 140,000 short tons for the yellowfin tuna fishery in the regulatory area of the eastern tropical Pacific. When the season closed on April 9, 1971, fishermen had taken about 45 percent of the quota.

Despite a decline in domestic landings, the 1971 pack of canned tuna was a record 22.2 million cases--about 144,800 cases more than in 1970, the former record year. The gain resulted from increased landings by U.S. vessels in Puerto Rico and American Samoa, which are not included in domestic landings statistics, and in imports of fresh and frozen tuna. Canned tuna available for consumption in 1971 (U.S. pack from domestic catch plus U.S. pack from imported fresh or frozen tuna and from imported canned) was 498.6 million pounds. About 39 percent of the U.S. supply was packed from domestic landings--compared with 40 percent in 1970.

Crabs. . . . .The Atlantic and Gulf catch of hard, blue crabs was 145.1 million pounds--only slightly below the 145.4 million pounds landed the previous year, and a small increase over the 1966-70 average of 140.6 million pounds. However, landings were considerably below the 151.6 million-pound-average for the years 1961-65. The exvessel value of blue crab landings set a new record at $12.5 million; but the average price per pound was below the average price during the high value year of 1969. Record exvessel prices paid for shrimp during the production months diverted attention away from the blue crab fishery.

Landings of Dungeness crabs amounted to 42.7 million pounds, down 27 percent from the 1970 record catch of 58.5 million pounds. The decrease resulted from a decline in the Kodiak Dungeness crab fishery where landings were down to one-fifth of normal. Because of this, receipts of Kodiak Dungeness crabs and leg sections at Seattle, Washington dropped to 350,000 pounds in 1971, compared with the usual annual receipts of about 3.5 million pounds. Landings from Washington and Oregon totaled only 1.5 million pounds in 1971--down from the 1.7 million pounds landed in 1970.

Alaska king crab landings in 1971 were 70.4 million pounds valued at $24.7 million--an increase of 35 percent in volume and 87 percent in value over 1970. Apparently the 1970 regulations on closures, quotas and limitations on the number of crab pots were successful in helping to conserve the resource. In 1971, the Alaska Department of Fish and Game imposed a season quota on the Kodiak king crab fishery for the first time. The quota of 10.2 million pounds was caught in a record time of 2 1/2 months, indicating an increase in availability of the resource.

The 1970 landings of snow crabs of 12.7 million pounds were down 12 percent from the 14.5 million pounds landed in 1970. It appears that lack of market development rather than smaller available supplies of crabs may have been the cause for the decline. The total value of $1.8 million was almost 30 percent higher than the previous year.

Menhaden. . . . .The total catch of menhaden, an industrial species and volume leader in U.S. landings, totaled 2.2 billion pounds in 1971, an increase of 353 million pounds over the previous year, and the largest landings of this species since 1962 when 2.3 billion pounds were landed. Whereas landings from the Chesapeake States improved, the Gulf States, for the second consecutive year, established record landings of 1.6 billion pounds. Gulf landings comprised 73 percent of the total landings of this species.

Production of menhaden meal (221,004 tons) increased 17 percent over the 188,600 tons produced the previous year. Although the total value of menhaden meal was at a record high, the price per ton was considerably below the previous year. Imports of fish meal of 283,200 short tons were slightly higher than the previous year but were far below the average of the previous 5 years of 512,900 short tons.

Production of menhaden oil was at a record high of 242.1 million pounds, exceeding the previous high in 1961 by 6.9 million pounds, and the 1971 record value of $19.3 million exceeded the previous record in 1970 by $2.4 million.

Lobsters. . . . .Landings of northern lobsters totaled 33.3 million pounds valued at $35.1 million--a decrease of 805 thousand pounds compared with the previous year but an increase of $1.6 million in value. Contributing to the increase in value were higher prices and larger landings of live lobsters due to improved shipboard handling and storing methods utilizing water circulating and cooling systems. Landings of spiny lobsters totaled 8.4 million pounds valued at $7.9 million--a decrease in volume of 1.9 million pounds but an increase in value of $1.6 million above the previous year. The average exvessel value increased over 50 percent.

Clams. . . . .Landings of hard, soft, surf, and other clams totaled 82.7 million pounds of meats valued at $30.5 million--a sharp decline in volume from the 99.2 million pounds landed the previous year, whereas the value was an improvement over the $28.8 million of 1970. There was only a small increase in the landings of hard clams that was negligible compared with the sharp drop in landings of surf clam meats from 67.3 million pounds in 1970 to 52.6 million in 1971. Part of the decline in landings of this species was attributed to an over-supply in 1970 when record landings resulted in high stocks being carried over into 1971. Because of the carry-over of stocks, the demand for surf clams decreased. In 1971 processors even placed some vessels on daily catch quotas.

Oysters. . . . .The 1971 oyster catch yielded 54.6 million pounds of meats valued at $30.4 million--slightly above the previous year's volume of 53.6 million pounds valued at $29.5 million. Largely responsible for the increase was improved landings from Middle Atlantic, Chesapeake and Gulf States; all other areas registered declines. Maryland with 16.7 million pounds, Louisiana with 9.9 million pounds, and Virginia with 8.5 million pounds accounted for 64 percent of total U.S. oyster landings and 67 percent of the value in 1971.

Flounders. . . . .Landings of Atlantic and Gulf flounders (112.3 million pounds) were 10.3 million pounds or 8 percent below 1970 landings. The entire decrease occurred in the yellowtail fishery where landings of 62.8 million pounds valued at $9 million accounted for 56 percent of the total volume and 49 percent of the total value.

Because of overfishing of the resource during the past several years, the International Commission for the Northwest Atlantic Fisheries issued a regulation, effective January 1, 1971, placing an annual limitation on the quantity of yellowtail flounder that could be taken from Subarea 5 by fishing vessels of all member governments participating in the fishery in 1971. The annual catch of yellowtail flounder in Subarea 5 from the area east of 69° longitude was set at 16,000 metric tons (35.3 million pounds); and the catch from the area west of 69° longitude was limited to 13,000 metric tons (28.7 million pounds). The grounds east of 69° longitude were closed to yellowtail fishing on November 13, 1971, when 80 percent of the quota had been reached. The quota for the area west of 69° longitude was not reached in 1971.

Groundfish. . . . .The Atlantic fishery for groundfish (cod, cusk, haddock, white hake, pollock, and ocean perch) yielded 152.6 million pounds worth $16.3 million--a gain of 2.6 million pounds and $784,000 compared with 1970.

Landings of four of the six groundfish species were greater than in 1970. The ocean perch harvest of 59.9 million pounds increased 4.6 million, principally because of a slight resurgence of the fishery at Gloucester. Landings of pollock (10.8 million pounds) and white hake (5.7 million) increased 1.6 million pounds each. Cusk landings of 1.8 million pounds were slightly greater than in the previous year.

These gains were nearly offset by smaller landings of cod and haddock. Cod landings decreased only slightly to 52.8 million pounds, but haddock production declined from 26.9 million pounds in 1970 to 21.6 million in 1971. The crisis that began in 1965 when haddock stocks were overfished continued through 1971, although the 1971 year-class improved slightly compared with 1970. The annual catch quotas set by the International Commission for the Northwest Atlantic Fisheries (ICNAF) (12,000 metric tons in Subarea 5 and 18,000 tons in Subarea 4X) were not reached in 1971, and the only closed season was March-April. A considerable number of foreign vessels fished off the New England coast during 1971 and were undoubtedly active in the haddock fishery.

Scallops, sea. . . . .Landings in 1971 were 6.3 million pounds valued at $8.8 million--down 14 percent in quantity but only 5 percent in value from 1970. The annual average exvessel price of $1.41 per pound was 13 cents or 10 percent higher than the $1.28 paid to fishermen in 1970. The annual average exvessel price at New Bedford, Massachusetts, the principal port in the scallop fishery was $1.48 per pound.

Alaska scallop landings of 878,000 pounds were down 41 percent from the 1.5 million pounds in 1970. The average exvessel price of $1.05 per pound showed little change from the 1970 average price of $1.03. Only four vessels operated in the Alaska scallop fishery during 1971, compared to seven in 1970.

Halibut. . . . .Combined United States and Canadian halibut landings on the Pacific Coast totaled 47 million pounds (dressed weight), well below the 52.5 million-pound-quota set by the International Pacific Halibut Commission and the smallest amount landed since 1932. The United States share of the catch was 21.3 million pounds (dressed weight) or 45 percent in 1971--down from 25.8 million pounds the previous year. In the last two years, the Canadian catch has been about 4 million pounds larger than the United States catch. As the United States catch has declined, a greater percentage of the catch has been landed in Alaska. About 79 percent of the United States catch was landed in Alaska in 1971. Exvessel prices were lower at all Pacific Coast halibut ports during 1971. The average price paid at Seattle was 36 cents per pound in 1971 compared with 39 cents in 1970 and the record average 41 cents in 1969.

PROCESSED FISHERY PRODUCTS

Canned fishery products. . . . .The 1971 pack of canned fishery products in the United States, American Samoa, and Puerto Rico was 46.3 million standard cases (1.4 billion pounds) valued at a record $763.5 million to the canning companies. Compared with 1970, this was an increase of 137,198 cases (6.0 million pounds) in volume and $21.7 million in value. There were record packs of tuna, animal (pet) food, clam chowder and larger packs of alewives, mackerel, Maine sardines and oysters. The canned packs of salmon, crab meat, and shrimp were less than in 1970.

The pack for human consumption (809.2 million pounds) was 4.0 million pounds more than in 1970, while the amount for bait and animal food increased 2.0 million pounds. Five items--salmon, tuna, shrimp, clam products, and animal (pet) food--accounted for 93 percent of the total value of all canned fishery products. The pack of animal (pet) food consisting of less than 10 pounds of fish per standard case (3.5 million standard cases valued at $19.9 million) was not included in the 1971 data.

Salmon:--The 1971 pack of Pacific salmon totaled 3.4 million standard cases (162.9 million pounds) valued at $129.7 million compared with the 1970 pack of 3.8 million cases valued at $138.7 million. The production in Washington and Oregon of 614,199 standard cases was more than double the 1970 pack of 257,692 standard cases.

Tuna:--The 1970 pack of tuna was a record 22.2 million standard cases (438.8 million pounds) valued at a record $413.3 million. The 1971 pack exceeded the previous record pack in 1970 by about 100,000 cases and $32.7 million. The Pacific Coast led in production with 50.3 percent of the total, followed by Puerto Rico with 34.9 percent; the Atlantic Coast, Hawaii, and American Samoa accounted for the remainder.

Mackerel:--The 1971 pack of mackerel was 367,043 standard cases valued at $3.1 million compared with a 1970 pack of 188,609 standard cases valued at $1.5 million. Pacific mackerel were not canned on a commercial basis in 1971.

Shrimp:--The 1971 pack of shrimp was 3.2 million standard cases (21.4 million pounds) valued at $33.7 million, compared with the record 1970 pack of 3.7 million standard cases (25.1 million pounds) valued at $37.3 million.

Clams:--The 1971 pack of clams and clam products was a record 2.7 million cases valued at a record $26.4 million. The production of whole and minced clams was 634,450 standard cases valued at $9.8 million while the production of clam chowder and juice totaled 2.1 million cases valued at $16.6 million.

Industrial fishery products. . . . .The 1971 production of industrial fishery products by 123 plants in the United States, American Samoa, and Puerto Rico was valued at $105.7 million--an increase of $6.2 million compared with 1970.

Marine animal scrap and meal:--The 1971 production of 292,429 tons was 8.6 percent over the 1970 production and the largest since 1962. Menhaden meal (221,004 tons) accounted for 76 percent of total meal production. Landings of menhaden at Gulf ports established a new record in 1971. Total menhaden landings were about 2.2 billion pounds--about 19 percent above those of the previous year.

Imports of fish meal were 283,249 tons, 13 percent greater than the 251,492 tons imported in 1970 and accounted for 49 percent of the total supply.

The total supply of fish meal (imports plus domestic production) for use in this country in 1971 was 575,678 tons.

Marine animal oil:--The domestic production of marine animal oil was 262.3 million pounds--27 percent above the 1970 yield of 206.1 million pounds. Menhaden oil totaled 242.1 million pounds in 1971 and accounted for 92 percent of the total production. U.S. exports of domestic fish oils were 229.9 million pounds in 1971--71.1 million pounds more than the 158.8 million pounds exported in 1970.

Fish solubles:--The 1971 production of fish solubles was 110,403 tons--about 16 percent above the 94,968 tons produced in 1970. Nearly 83 percent of the total came from menhaden.

Other industrial products:--Products from oyster shells were valued at $4.1 million compared with $3.4 million in 1970. Other industrial items produced in 1971 included agar-agar, animal feeds, crab and clam shells processed for serving food, fish feed pellets, Irish moss extracts, kelp products, leather products, liquid fertilizer, colored mussel chips, mussel shell lime, and pearl essence. These items were valued at $31.4 million in 1971--compared with $26.6 million in 1970.

Packaged fish. . . . .Production of uncooked fresh or frozen fillets and steaks during 1971, exclusive of Hawaii and Alaska, was 125.9 million pounds valued at $74.3 million to the processors. Compared with 1970, this was a decrease of 7.6 million pounds and $543,600.

Total production of groundfish fillets and steaks (cod, cusk, haddock, hake, pollock and Atlantic ocean perch) was 43.6 million pounds--compared with 42.9 million pounds produced in 1970. An estimated 368.5 million pounds of whole fish were required for the 1971 production of packaged fish fillets and steaks.

Fish sticks and portions. . . . .The 1971 production was 337.4 million pounds, down 12.8 million pounds when compared with the record production of 350.2 million pounds in 1970. The value of these products exceeded the 1970 value by $24 million, reaching a new high of $179.7 million in 1971. Although fish stick production decreased from 115.9 million pounds in 1970 to slightly less than 98 million pounds in 1971, the production of fish portions increased by over 5 million pounds to a new record of 239.7 million in 1971.

Breaded shrimp. . . . .About 104.3 million pounds of breaded shrimp, valued at a record high of $120.8 million were produced in 1971. This was 1.3 million pounds below the 1969 record production of 105.6 million pounds.

Frozen fishery trade. . . . .The 1971 production of frozen round, dressed, and drawn fish, fillets, and packaged shellfish by plants reporting to the Service amounted to 362 million pounds. This was a decrease of 26 million pounds compared to 1970. It is estimated that a catch of 557 million pounds of fish and shellfish (live weight) was required for the 1971 production.

On September 30, 1971, holdings of frozen fish and shellfish were at an all time high of 338 million pounds. Contributing to this were record holdings of blocks and slabs (76 million pounds) and round, dressed salmon (27 million pounds). Previous highs for these items were blocks and slabs, 60 million pounds on September 30, 1969; and round, dressed salmon, 25 million pounds on September 30, 1970. On December 31, 1971, holdings of frozen fish and shellfish totaled 302 million pounds compared to 306 million pounds on December 31, 1970.

In January 1971, the National Marine Fisheries Service expanded collection of freezings and holdings data to include cod, flounder, and haddock blocks and slabs; Dungeness and king crabs; breaded and peeled shrimp; and separate items for lobsters (spiny and other).

FOREIGN TRADE IN FISHERY PRODUCTS

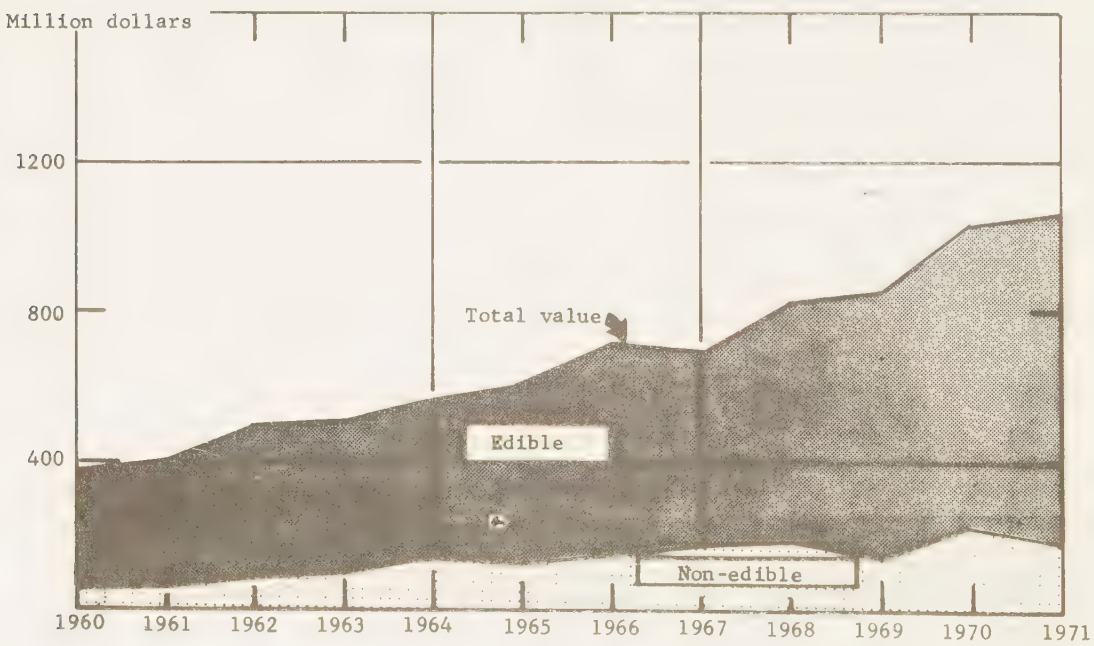
Foreign trade in fishery products. . . . .Total U.S. imports of edible and nonedible fishery products were a record $1,060 million in 1971, a gain of $22 million or 2 percent over 1970. The value of edible imports increased to a record $873 million in 1971 as compared with $813 million in 1970, a gain of 7 percent. The quantity of imported edible products, however, declined to 1,756 million pounds--down 6 percent from 1970's record quantity. The value of nonedible imports declined from $224.9 million in 1970 to $187.1 million in 1971, a decrease of 17 percent.

Imports of blocks and slabs, frozen tuna (except albacore), and sea scallops set new records. Imports increased for fresh or frozen halibut, salmon, tuna loins and discs, and common (northern) lobsters. There were increases also for imports of canned sardines (not in oil), canned tuna (in oil), canned bonito and yellowtail (in oil and not in oil), and canned crabmeat. Imports declined, however, for fresh or frozen fillets, frozen albacore tuna, frozen shrimp, canned sardines (in oil), canned tuna (not in oil), and canned oysters. Imports of fish meal were up in 1971 as compared with 1970, but imports of fish solubles and sperm whale oil were down.

Total exports of domestic fishery products, edible and nonedible, were a record $139.2 million in 1971--up 19 percent over 1970. Exports of edible products were 171.8 million pounds valued at $113.6 million in 1971--up 22 percent in quantity and 21 percent in value over 1970; exports of nonedible products were $25.6 million, an increase of 8 percent over 1970.

Exports of edible domestic products increased in 1971 as compared with 1970 largely because of increased exports of fresh and frozen shrimp, canned shrimp, fresh and frozen salmon, canned salmon and canned squid. Exports of nonedible products increased largely because of increased exports of unclassified fish oils (mostly menhaden oil).

VALUE OF IMPORTS OF FISHERY PRODUCTS, 1960-71



U.S. COMMERCIAL LANDINGS BY SPECIES, 1970 AND 1971 [1/]

Species	1970		1971		5-year average 1966-70
Fish	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds
Alewives:					
Atlantic and Gulf	36,077	714	29,351	577	59,267
Great Lakes	33,461	381	30,276	303	32,161
Anchovies	192,939	2,173	88,003	969	98,386
Bluefish	7,201	742	6,758	811	5,669
Bonito	9,375	705	20,038	1,852	16,470
Butterfish	3,949	644	3,568	617	4,759
Cod:					
Atlantic	53,226	5,740	52,824	6,345	48,384
Pacific	2,782	180	6,472	455	6,348
Croaker	8,450	1,059	12,102	1,422	5,149
Cusk	1,351	101	1,776	157	1,542
Flounders:					
Atlantic and Gulf:					
Blackback	24,279	3,234	22,551	3,207	24,574
Fluke	5,697	1,903	5,236	1,796	6,942
Yellowtail	73,115	10,337	62,807	9,003	67,577
Other	19,467	3,499	21,671	4,250	19,248
Pacific	45,948	4,100	44,285	3,935	46,147
Total	168,506	23,073	156,550	22,191	164,488
Groupers	8,203	1,522	7,508	1,534	8,111
Haddock	26,888	6,044	21,599	5,620	74,822
Hake:					
Pacific	9,019	78	10,691	107	13,524
White	4,088	253	5,730	347	3,263
Red	2,212	105	2,168	109	1,818
Halibut	34,546	8,834	28,651	6,709	34,877
Herring, sea:					
Atlantic	66,741	1,173	75,974	1,485	74,059
Pacific	12,200	461	11,463	384	18,252
Jack mackerel	47,916	1,979	59,099	2,360	47,096
Mackerel					
Atlantic	8,013	417	5,448	272	7,813
Pacific	622	50	151	8	2,382
Menhaden:					
Atlantic	628,026	10,341	583,195	9,821	509,751
Gulf	1,209,466	23,743	1,606,878	26,186	936,157
Total	1,837,492	34,084	2,190,073	36,007	1,445,908
Mullet	31,323	2,582	28,787	2,604	33,783
Ocean perch:					
Atlantic	55,290	2,725	59,852	3,047	65,078
Pacific	15,265	963	10,843	704	15,863
Pollock	9,217	697	10,847	828	8,533
Rockfishes	27,593	1,830	24,674	1,524	26,736

See footnotes at end of table. (Continued on next page)

U.S. LANDINGS

U.S. COMMERCIAL LANDINGS BY SPECIES, 1970 AND 1971[1/] - Continued

Species	1970		1971		5-year average 1966-70
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds
Salmon, Pacific:					
Chinook or king	31,685	17,562	31,770	16,362	27,791
Chum or keta	57,396	7,294	52,153	6,821	46,929
Pink	117,762	15,572	87,334	12,034	118,637
Red or sockeye	159,568	41,071	104,314	30,644	92,698
Silver or coho	43,708	17,188	36,500	11,937	36,898
Total	410,119	98,687	312,071	77,798	322,953
Sardine, Pacific	443	102	206	46	340
Scup or porgy	10,504	2,351	8,938	2,095	16,933
Sea bass:					
Black	4,482	1,041	2,821	707	4,748
White	1,101	386	988	347	1,125
Sea Trout:					
Gray	7,628	719	11,156	1,051	4,720
Spotted	6,165	1,744	5,981	1,755	6,110
White	1,253	85	1,554	104	895
Sharks	1,249	74	673	58	2,442
Snapper:					
Red	9,250	4,357	8,785	4,318	11,515
Other	2,329	868	2,123	853	2,042
Striped bass	11,186	2,528	8,077	2,250	10,876
Swordfish	1,588	958	396	139	1,406
Tuna:					
Albacore	56,140	15,009	44,861	14,062	49,108
Bluefin	15,463	3,027	22,224	4,306	21,294
Little	271	30	22	5	101
Skipjack	84,232	13,645	115,280	21,753	76,973
Yellowfin	237,388	43,252	165,165	34,951	174,475
Unclassified	-	-	488	439	7
Total	393,494	74,963	348,040	75,516	321,958
Warsaw	222	31	239	34	202
Whiting	44,515	3,890	33,201	2,106	65,788
Wolffish	598	34	601	42	522
Yellowtail	184	25	203	25	195
Other fish	386,427	34,537	346,663	32,185	-
Total fish	4,006,682	326,689	4,053,992	300,777	-
Shellfish					
Clams:					
Hard	16,050	14,370	17,216	17,025	15,827
Soft	12,899	5,969	11,829	6,467	11,698
Surf	67,319	7,730	52,552	6,905	49,523
Other	2,934	720	1,062	143	1,241

See footnotes at end of table.

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U.S. COMMERCIAL LANDINGS BY SPECIES, 1970 AND 1971[1/] - Continued

Species	1970		1971		5-year average 1966-70
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds
Crabs:					
Blue, hard	145,412	10,314	145,125	12,459	140,628
Dungeness	58,509	12,078	42,679	10,447	47,738
King	52,061	13,190	70,365	24,683	95,749
Snow	14,473	1,417	12,710	1,779	5,809
Other	6,763	2,236	5,495	2,288	6,811
Lobsters:					
Northern	34,152	33,463	33,347	35,066	31,357
Spiny	10,346	6,334	8,439	7,907	7,463
Oysters	53,603	29,483	54,585	30,426	55,774
Scallops:					
Bay	1,711	2,332	1,455	2,428	1,639
Calico	1,833	729	1,566	783	1,078
Sea	7,292	9,340	6,264	8,829	11,328
Shrimp: (heads-on)					
New England	23,522	4,697	24,684	4,650	15,450
South Atlantic	20,610	11,387	30,647	20,615	22,855
Gulf	230,474	108,186	227,083	136,017	207,978
Pacific	92,859	5,484	105,515	5,324	60,138
Other	4	4	3	4	5
Total	367,469	129,758	387,932	166,610	306,426
Squid	26,962	958	37,523	827	25,004
Other shellfish	20,308	5,756	25,264	7,351	-
Total shellfish	900,096	286,177	915,408	342,423	-
Grand total	4,906,778	612,866	4,969,400	643,200	-

1/ Statistics on landings are shown in round (live) weight of all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are shown in weight of meats, excluding the shell.

Note:--Does not include landings by U.S. flag vessels at Puerto Rico or other ports outside continental United States and Hawaii. Does not include production of artificially cultivated fish and shellfish. Data are preliminary.

U.S. COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY DISTANCE CAUGHT FROM U.S. SHORES, AND CAUGHT IN WATERS OFF FOREIGN SHORES, 1971

Species	Distance from U.S. shores						High seas off foreign shores		Total	
	0 to 3 miles		3 to 12 miles		Greater than 12 miles					
Fish	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Alewives:										
Atlantic and Gulf....	29,277	576	74	1	-	-	-	-	29,351	577
Great Lakes.....	20,890	209	9,386	94	-	-	-	-	30,276	303
Anchovies.....	153	6	81,250	890	6,600	73	-	-	88,003	969
Bluefish	5,505	671	1,093	125	160	15	-	-	6,758	811
Bonito.....	5,654	528	12,405	1,142	1,105	99	874	83	20,038	1,852
Butterfish.....	617	114	656	102	2,295	401	-	-	3,568	617
Cod:										
Atlantic.....	4,139	468	15,285	1,664	32,617	4,104	783	109	52,824	6,345
Pacific.....	61	9	1,669	118	3,985	275	757	53	6,472	455
Croaker	2,600	283	9,283	1,112	219	27	-	-	12,102	1,422
Cusk.....	118	6	617	53	972	86	69	12	1,776	157
Flounders:										
Atlantic and Gulf:										
Blackback.....	4,806	699	6,744	804	10,991	1,702	10	2	22,551	3,207
Fluke.....	988	339	2,422	800	1,826	657	-	-	5,236	1,796
Yellowtail	4,488	548	9,984	974	48,273	7,477	62	4	62,807	9,003
Other	5,519	1,363	3,782	580	12,047	2,250	323	57	21,671	4,250
Pacific.....	120	11	24,826	2,306	18,967	1,586	372	32	44,285	3,935
Total	15,921	2,960	47,758	5,464	92,104	13,672	767	95	156,550	22,191
Groupers	524	106	1,264	261	5,339	1,095	381	72	7,508	1,534
Haddock	284	66	1,902	509	16,586	4,418	2,827	627	21,599	5,620
Hake:										
Pacific	4,141	41	4,312	43	2,238	23	-	-	10,691	107
Red	126	6	1,345	67	696	36	1	(1)	2,168	109
White	994	57	1,008	54	3,569	225	159	11	5,730	347
Halibut.....	2,808	663	5,940	1,417	18,829	4,335	1,074	294	28,651	6,709
Herring, sea:										
Atlantic	10,860	267	54,940	1,025	10,174	193	-	-	75,974	1,485
Pacific.....	11,398	372	65	12	-	-	-	-	11,463	384
Jack mackerel	15,860	630	12,579	510	30,660	1,220	-	-	59,099	2,360
Mackerel:										
Atlantic	1,775	130	2,752	96	921	46	-	-	5,448	272
Pacific.....	151	8	-	-	-	-	-	-	151	8

See footnotes at end of table.

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U.S. COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY DISTANCE CAUGHT FROM U.S. SHORES, AND CAUGHT IN WATERS OFF FOREIGN SHORES, 1971 - Cont.

Species	Distance from U.S. shores						High seas off foreign shores		Total	
	0 to 3 miles		3 to 12 miles		Greater than 12 miles					
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Menhaden:										
Atlantic	442,044	7,356	138,613	2,416	2,538	49	-	-	583,195	9,821
Gulf	1,296,529	21,126	248,494	4,057	61,855	1,003	-	-	1,606,878	26,186
Total	1,738,573	28,482	387,107	6,473	64,393	1,052	-	-	2,190,073	36,007
Mullet	26,787	2,424	2,000	180	-	-	-	-	28,787	2,604
Ocean perch:										
Atlantic	26	1	915	36	35,877	1,815	23,034	1,195	59,852	3,047
Pacific	8	(1)	187	13	3,777	245	6,871	446	10,843	704
Pollock	201	7	1,341	89	8,854	689	451	43	10,847	828
Rockfishes	1,305	87	10,311	645	10,566	640	2,492	152	24,674	1,524
Salmon:										
Chinook or king	21,032	10,471	6,745	3,744	3,960	2,130	33	17	31,770	16,362
Chum or keta	52,153	6,821	-	-	-	-	-	-	52,153	6,821
Pink	87,190	11,983	131	44	7	6	6	1	87,334	12,034
Red or sockeye	104,314	30,644	-	-	-	-	-	-	104,314	30,644
Silver or coho	20,785	6,378	8,648	3,110	7,010	2,430	57	19	36,500	11,937
Total	285,474	66,297	15,524	6,898	10,977	4,566	96	37	312,071	77,798
Sardine, Pacific	68	8	33	15	-	-	105	23	206	46
Scup or porgy	2,851	865	1,397	403	4,690	827	-	-	8,938	2,095
Sea bass:										
Black	138	53	493	114	2,107	524	83	16	2,821	707
White	220	79	153	54	10	2	605	212	988	347
Sea trout:										
Gray	6,710	701	4,409	343	37	7	-	-	11,156	1,051
Spotted	5,450	1,577	531	178	-	-	-	-	5,981	1,755
White	641	45	861	55	52	4	-	-	1,554	104
Sharks	335	31	265	20	36	3	37	4	673	58
Snapper:										
Red	83	82	503	230	6,723	3,347	1,476	659	8,785	4,318
Other	158	48	1,119	489	846	316	-	-	2,123	853
Striped bass	7,374	2,040	690	206	13	4	-	-	8,077	2,250
Swordfish	62	22	293	105	34	10	7	2	396	139

See footnotes at end of table.

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U.S. COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY DISTANCE CAUGHT FROM U.S. SHORES, AND CAUGHT IN WATERS OFF FOREIGN SHORES, 1971 - Cont.

Species	Distance from U.S. shores						High seas off foreign shores		Total	
	0 to 3 miles		3 to 12 miles		Greater than 12 miles					
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Tuna:										
Albacore	8	1	3	2	34,668	10,508	10,182	3,551	44,861	14,062
Bluefin	424	70	822	129	4,478	807	16,500	3,300	22,224	4,306
Little	10	2	10	2	2	1	-	-	22	5
Skipjack	144	29	4,215	926	10,171	2,148	100,750	18,650	115,280	21,753
Yellowfin	77	50	304	174	664	365	164,120	34,362	165,165	34,951
Unclassified	-	-	57	64	431	375	-	-	488	439
Total	663	152	5,411	1,297	50,414	14,204	291,552	59,863	348,040	75,516
Warsaw	-	-	31	4	187	27	21	3	239	34
Whiting	1,301	105	19,727	1,199	12,171	802	2	(1)	33,201	2,106
Wolffish	114	7	90	5	236	18	161	12	601	42
Yellowtail	50	6	9	1	2	(1)	142	18	203	25
Other fish	165,524	21,544	123,314	7,053	56,871	3,510	954	78	346,663	32,185
Total fish	2,377,972	132,839	842,297	40,864	497,942	62,955	335,781	64,119	4,053,992	300,777
Shellfish										
Clams:										
Hard	17,216	17,025	-	-	-	-	-	-	17,216	17,025
Soft	11,829	6,467	-	-	-	-	-	-	11,829	6,467
Surf	2,499	325	22,670	2,644	27,383	3,936	-	-	52,552	6,905
Other	754	91	308	52	-	-	-	-	1,062	143
Total	32,298	23,908	22,978	2,696	27,383	3,936	-	-	82,659	30,540
Crabs:										
Blue, hard	145,125	12,459	-	-	-	-	-	-	145,125	12,459
Dungeness	33,488	7,639	8,992	2,721	199	87	-	-	42,679	10,447
King	14,073	4,937	42,219	14,809	14,073	4,937	-	-	70,365	24,683
Snow	1,907	267	10,803	1,512	-	-	-	-	12,710	1,779
Other	4,295	1,750	814	351	386	187	-	-	5,495	2,288
Total	198,888	27,052	62,828	19,393	14,658	5,211	-	-	276,374	51,656

See footnotes at end of table

(Continued on next page)

U.S. COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY DISTANCE CAUGHT FROM U.S. SHORES, AND CAUGHT IN WATERS OFF FOREIGN SHORES, 1971 - Cont.

Species	Distance from U.S. shores						High seas off foreign shores		Total	
	0 to 3 miles		3 to 12 miles		Greater than 12 miles					
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Lobsters:										
Northern	22,526	23,117	2,354	2,728	8,467	9,221	-	-	33,347	35,066
Spiny	1,383	1,520	2,471	2,222	546	492	4,039	3,673	8,439	7,907
Oysters	54,585	30,426	-	-	-	-	-	-	54,585	30,426
Scallops:										
Bay	1,455	2,428	-		-	-	-	-	1,455	2,428
Calico		-	1,285	432	281	351	-	-	1,566	783
Sea	714	952	474	545	5,076	7,332	-	-	6,264	8,829
Shrimp (heads-on):										
New England	7,039	1,357	11,299	2,194	6,346	1,099	-	-	24,684	4,650
South Atlantic	29,230	19,372	1,211	1,062	206	181	-	-	30,647	20,615
Gulf	69,982	25,421	44,035	25,160	97,567	73,563	15,499	11,873	227,083	136,017
Pacific	58,065	2,325	43,128	2,413	4,322	586	-	-	105,515	5,324
Other	3	4	-	-	-	-	-	-	3	4
Total	164,319	48,479	99,673	30,829	108,441	75,429	15,499	11,873	387,932	166,610
Squid	20,313	386	16,392	330	818	111	-	-	37,523	827
Other shellfish	23,596	6,961	1,624	384	44	6	-	-	25,264	7,351
Total shellfish	520,077	165,229	210,079	59,559	165,714	102,089	19,538	15,546	915,408	342,423
Grand total	2,898,049	298,068	1,052,376	100,423	663,656	165,044	355,319	79,665	4,969,400	643,200

1/ Less than $500.

Note:--The distribution of the landings by distances from U.S. shores and off foreign shores was partially estimated.

U.S. LANDINGS

U.S. COMMERCIAL LANDINGS BY STATES, 1970 and 1971 1/

State	1970		1971		Record landings	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Year	Thousand pounds
Alabama	32,116	10,319	2/ 36,727	2/ 14,141	1971	36,727
Alaska	535,715	95,925	449,089	84,504	1936	932,341
Arizona	3/ 16	3/ 4	(4)	(4)	-	(5)
Arkansas	10,981	2,346	(4)	(4)	-	(5)
California	702,720	86,392	585,484	87,172	1936	1,760,183
Colorado	3/ 6	3/ (6)	(4)	(4)	-	(5)
Connecticut	4,803	1,653	7,261	1,775	1930	88,012
Delaware	9,960	1,293	9,031	1,490	1953	367,500
Florida	192,713	43,267	173,904	45,154	1938	241,443
Georgia	14,415	4,163	18,409	7,478	1927	47,607
Hawaii	11,051	3,900	17,177	5,159	1954	20,610
Idaho	1,403	81	(4)	(4)	-	(5)
Illinois	5,223	670	2/ 5,172	2/ 715	-	(5)
Indiana	1,103	173	2/ 1,034	2/ 155	-	(5)
Iowa	3,445	364	(4)	(4)	-	(5)
Kansas	632	30	(4)	(4)	-	(5)
Kentucky	3,116	497	(4)	(4)	-	(5)
Louisiana	1,114,127	62,380	2/1,396,214	2/ 72,630	1971	1,396,214
Maine	158,806	30,672	142,619	31,068	1950	356,266
Maryland	79,897	18,566	72,680	18,441	1890	141,607
Massachusetts	286,936	47,013	273,064	45,970	1948	649,696
Michigan	21,169	2,875	19,137	2,671	1930	35,580
Minnesota	11,240	1,153	2/ 12,011	2/ 1,367	-	(5)
Mississippi	300,978	11,679	2/ 397,605	2/ 13,380	1971	397,605
Missouri	800	157	(4)	(4)	-	(5)
Montana	956	82	(4)	(4)	-	(5)
Nebraska	232	12	(4)	(4)	-	(5)
New Hampshire	1,333	828	1,296	841	-	(5)
New Jersey	97,547	12,505	114,416	12,025	1956	540,060
New Mexico	3/ 31	3/ 7	(4)	(4)	-	(5)
New York	33,018	16,238	36,617	18,676	1880	2/335,000
North Carolina	173,442	9,365	143,475	11,227	1959	342,612
North Dakota	300	27	(4)	(4)	-	(5)
Ohio	9,434	1,165	2/ 9,045	2/ 1,225	1936	31,083
Oklahoma	434	53	(4)	(4)	-	(5)
Oregon	98,089	22,962	75,770	16,226	1970	98,089
Pennsylvania	505	94	451	46	-	(5)
Rhode Island	79,394	10,867	84,553	12,398	1889	128,056
South Carolina	16,066	4,268	24,642	8,373	1965	26,611
South Dakota	3,864	241	(4)	(4)	-	(5)
Tennessee	6,673	908	(4)	(4)	-	(5)
Texas	148,820	53,552	2/ 168,682	2/ 70,037	1960	237,684
Utah	3/ 314	3/ 37	(4)	(4)	-	(5)
Virginia	550,553	21,977	488,981	21,937	1970	550,553
Washington	133,638	29,516	130,449	30,238	1941	197,253
West Virginia	14	6	(4)	(4)	-	(5)
Wisconsin	48,750	2,584	2/ 42,875	2/ 2,352	-	(5)
--	-	-	7/ 31,530	7/ 4,329	-	-
Total	4,906,778	612,866	4,969,400	643,200	-	-

1/ Statistics on landings are shown in round (live) weight of all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are shown in weight of meats, excluding the shell. 2/ Catch in interior waters estimated. 3/ Estimated. 4/ Data not available. 5/ Not determined. 6/ Less than $500. 7/ Data by State not available.

Note:--Does not include landings by U.S. flag vessels at Puerto Rico or other ports outside continental United States and Hawaii. Does not include production of artificially cultivated fish and shellfish. Data are preliminary.

U.S. COMMERCIAL LANDINGS BY REGIONS, 1970 AND 1971

Region	1970 1/		1971 2/	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
New England and Middle Atlantic	671,263	120,948	668,364	124,135
Chesapeake	630,450	40,543	561,661	40,378
South Atlantic	280,167	29,840	255,203	41,306
Gulf	1,698,104	166,581	2,096,926	199,851
Alaska	535,715	95,925	449,089	84,504
Washington and Oregon	231,727	52,478	206,219	46,464
California	702,720	86,392	585,484	87,172
Great Lakes and Mississippi River	145,581	16,259	129,277	14,231
Hawaii	11,051	3,900	17,177	5,159
Total	4,906,778	612,866	4,969,400	643,200

1/ Revised.
2/ Preliminary.

QUANTITY AND VALUE OF LANDINGS AT CERTAIN U.S. PORTS, 1971

Port	Thousand pounds	Port	Thousand dollars
Cameron, La.	427,600	San Pedro, Calif.	*58,400
San Pedro, Calif.	414,800	Brownsville-Port Isabel, Texas	22,800
Pascagoula-Moss Point, Miss.	337,800	Kodiak, Alaska	17,200
Dulac-Chauvin, La.	269,000	New Bedford, Mass.	16,300
Morgan City, La.	202,700	Aransas Pass-Rockport, Texas	16,100
Empire, La.	186,100	Dulac-Chauvin, La.	14,700
Kodiak, Alaska	153,200	San Diego, Calif.	13,600
Gloucester, Mass.	111,600	Freeport, Texas.	12,800
New Bedford, Mass.	73,200	Cameron, La.	11,800
San Diego, Calif.	66,600	Morgan City, La.	9,100
Point Judith, R.I.	55,600	Empire, La.	8,700
Beaufort-Morehead City, N.C.	45,600	Pascagoula-Moss Point, Miss.	8,100
Rockland, Maine.	34,200	Gloucester, Mass.	7,700
Boston, Mass.	31,500	Boston, Mass.	5,900
Brownsville-Port Isabel, Texas	29,700	Point Judith, R.I.	4,500
Portland, Maine.	24,500	Newport, R.I.	3,700

* Record.

Note:--Reedville, Va., Southport, N.C., Port Arthur, Texas, and Intercoastal City, La., are not listed in the above table to avoid disclosure of private enterprise. Data are based on latest available information and are not intended to show the relative position of all ports in the United States. Record landings of 848 million pounds of fish and shellfish were made in the San Pedro area in 1950.

U.S. LANDINGS

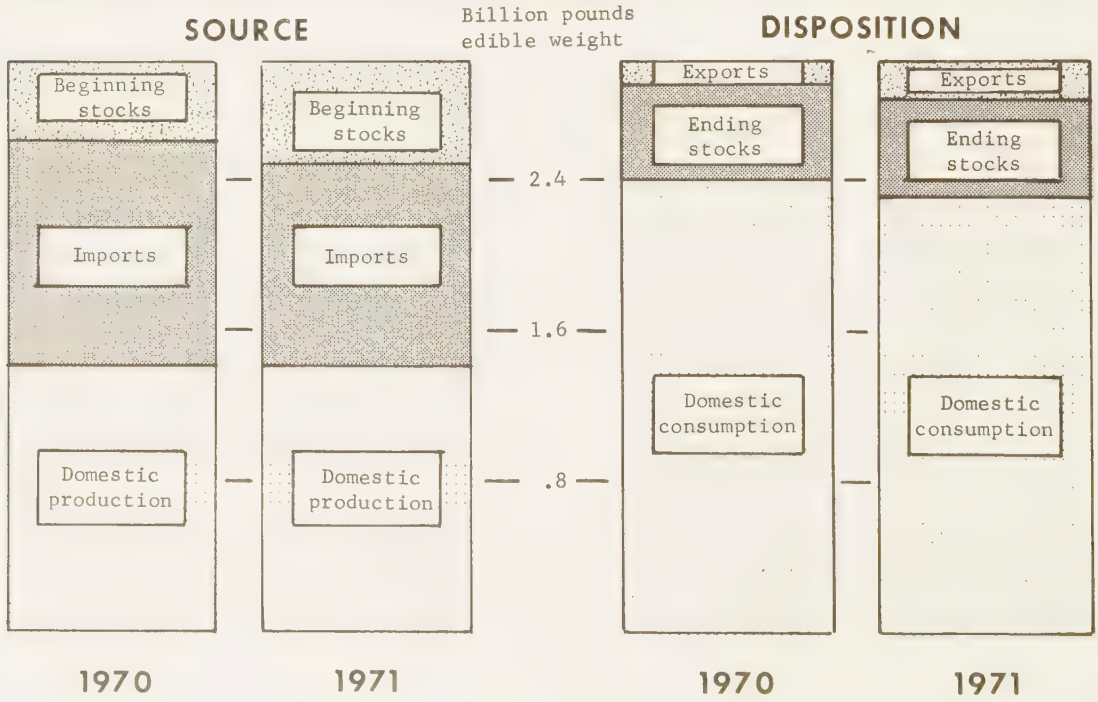
U.S. LANDINGS OF FISH AND SHELLFISH, 1960-71 1/

Year	Catch for human food		Catch for industrial products 2/		Total	
	Million pounds	Million dollars	Million pounds	Million dollars	Million pounds	Million dollars
1960	2,498	(3)	2,444	(3)	4,942	354
1961	2,490	(3)	2,697	(3)	5,187	362
1962	2,540	(3)	* 2,814	(3)	* 5,354	396
1963	2,556	(3)	2,291	(3)	4,847	377
1964	2,497	(3)	2,044	(3)	4,541	389
1965	2,587	409	2,190	37	4,777	446
1966	2,572	437	1,794	35	4,366	472
1967	2,368	414	1,687	26	4,055	440
1968	2,347	468	1,813	29	4,160	497
1969	2,321	492	2,016	35	4,337	527
1970	2,504	562	2,403	* 51	4,907	613
1971	2,400	* 595	2,569	48	4,969	* 643

1/ Statistics on landings are shown in round (live) weight of all items except univalve and bivalve mollusks such as clams, oysters, and scallops which are shown in weight of meats, excluding the shell.
2/ Processed into meal, oil, fish solubles, shell products, and used as bait and animal food.
3/ Data not available.
* Record

Note:--A record 3.3 million pounds of fish and shellfish were used for human food in 1950. Does not include landings by U.S. flag vessels at Puerto Rico or other ports outside continental United States and Hawaii. Does not include production of artificially cultivated fish and shellfish.

SOURCE AND DISPOSITION OF EDIBLE FISHERY PRODUCTS, 1970-71



RELATIVE VOLUME OF THE LANDINGS, BY SPECIES, 1969

Species	Quantity	Percent of total	Record landings and year	
	Thousand pounds	Percent	Year	Thousand pounds
Menhaden	1,545,529	35.6	1962	2,347,944
Tuna	324,884	7.5	1950	391,454
Shrimp	318,537	7.4	1969	318,537
Salmon	269,034	6.2	1936	643,700
Crabs	257,325	5.9	1966	372,425
Industrial fish 1/	173,289	4.0	1965	265,438
Flounders	162,275	3.7	1965	180,121
Anchovies	135,641	3.1	1969	135,641
Herring, sea:				
Atlantic	69,161	1.6	1902	200,598
Pacific	21,682	.5	1937	263,200
Total	90,843	2.1	-	-
Alewives	87,259	2.0	1967	101,127
Clams	80,745	1.9	1969	80,745
Cod:				
Atlantic	57,502	1.3	1880	294,351
Pacific	3,900	.1	1915	32,681
Total	61,402	1.4	-	-
Ocean perch, Atlantic	55,818	1.3	1951	258,320
Oysters	52,199	1.2	2/1908	152,046
Jack mackerel	52,131	1.2	1952	146,522
Haddock	45,829	1.1	1929	293,809
Whiting	45,328	1.0	1957	133,041
Mullet	34,706	.8	1902	43,385
Lobsters, northern	33,787	.8	1969	33,787
Halibut, Pacific	33,205	.8	1915	66,696
Catfish and bullheads	33,193	.8	1963	38,614
Rockfishes	32,996	.8	1945	57,686
Mackerels	28,386	.7	(3)	(3)
Carp	25,316	.6	1908	43,659
Squid	24,093	.6	1946	40,266
Buffalofish	17,599	.4	1950	25,873
Bonito	17,419	.4	1967	21,268
Ocean perch, Pacific	13,296	.3	1965	28,352
Striped bass	12,437	.3	1969	12,437
Scup or porgy	11,035	.3	1960	49,229
Herring, thread	10,330	.2	1967	18,963
Snapper, red	10,278	.2	1902	23,457
Chubs	10,193	.2	1960	16,854
Pollock	9,631	.2	1938	40,694
Scallops, sea	9,312	.2	1961	27,461
Lobsters, spiny	8,781	.2	1969	8,781
Hake, Pacific	8,556	.2	1967	28,818
Grouper	8,443	.2	1965	9,570
Crawfish, fresh-water	7,903	.2	1965	8,779
Shad	7,343	.2	1890	43,000
Mussel shells	7,106	.2	1908	81,869
Sheepshead, fresh-water	6,758	.2	1959	13,644
Unclassified	156,633	3.4	-	-
Total	4,336,803	100.0	-	-

1/ Unclassified species for bait, reduction, and animal food.
2/ First year in which an oyster survey was made in all regions.
3/ Data not available.

U.S. LANDINGS

RELATIVE VALUE OF THE LANDINGS, BY SPECIES, 1969

Species	Value	Percent of total	Record value and year	
	Thousand dollars	Percent	Year	Thousand dollars
Shrimp	124,467	23.6	1969	124,467
Salmon	62,968	12.0	1966	73,595
Tuna	54,859	10.4	1950	61,342
Crabs	43,119	8.2	1968	44,433
Lobsters, northern	28,998	5.5	1969	28,998
Oysters	27,539	5.2	1961	33,204
Clams	25,238	4.8	1969	25,238
Menhaden	23,474	4.5	1956	28,425
Flounders	19,913	3.8	1966	20,170
Scallops, sea	1,658	1.8	1968	14,976
Halibut, Pacific	8,937	1.7	1962	11,579
Haddock	7,766	1.5	1966	13,943
Catfish and bullheads	7,635	1.5	1969	7,635
Lobsters, spiny	6,310	1.2	1969	6,310
Cod:				
Atlantic	4,838	.9	1969	4,838
Pacific	235	.1	1959	664
Total	5,073	1.0	-	-
Snapper, red	4,464	.8	1969	4,464
Mackerels	2,867	.5	(1)	(1)
Mullet	2,854	.5	1945	4,647
Whiting	2,641	.5	1951	2,903
Industrial fish 2/	2,522	.5	1967	3,136
Striped bass	2,493	.5	1969	2,493
Ocean perch, Atlantic	2,366	.4	1951	12,597
Buffalofish	2,306	.4	1952	3,564
Jack mackerel	2,071	.4	1952	4,755
Rockfishes	2,012	.4	1945	2,648
Scup or porgy	1,998	.4	1966	3,326
Herring, sea:				
Atlantic	1,205	.2	1948	3,798
Pacific	571	.1	1947	2,152
Total	1,776	.3	-	-
Grouper	1,612	.3	1969	1,612
Sea trout or weakfish, spotted	1,587	.3	1952	1,781
Crawfish, fresh-water	1,571	.3	1969	1,571
Chubs	1,551	.3	1958	2,564
Whitefish, common	1,433	.3	1948	3,784
Alewives	1,403	.3	1967	1,551
Anchovies	1,364	.3	1953	1,712
Abalone	1,161	.2	1969	1,161
Pompano	1,006	.2	1969	1,006
Bloodworms	1,001	.2	1968	1,051
Carp	974	.2	1951	2,007
Shad	932	.2	1945	2,680
Sea bass, black (Atlantic)	923	.2	1952	5,206
Unclassified	23,676	4.4	-	-
Total	526,518	100.0	-	-

1/ Data not available.
2/ Unclassified species for bait, reduction, and animal food.

DISPOSITION OF LANDINGS, 1970 AND 1971

End use	1970		1971	
	Million pounds	Percent	Million pounds	Percent
Fresh and frozen:				
For human food.	1,445	29.5	1,398	28.1
For bait and animal food. .	105	2.1	89	1.8
Total.	1,550	31.6	1,487	29.9
Canned:				
For human food.	987	20.1	927	18.7
For bait and animal food. .	164	3.3	136	2.7
Total.	1,151	23.4	1,063	21.4
Cured	72	1.5	75	1.5
Reduction to meal, oil, etc..	2,134	43.5	2,344	47.2
Grand total.	4,907	100.0	4,969	100.0

Note:--Data are preliminary.

MONTHLY LANDINGS AND UTILIZATION OF FISH AND SHELLFISH, 1971

Month	Landings for human food		Landings for industrial products 1/		Total	
	Million pounds	Percent	Million pounds	Percent	Million pounds	Percent
January	108	4.5	39	1.5	147	2.9
February.	132	5.5	16	.6	148	3.0
March	154	6.4	28	1.1	182	3.7
April	172	7.2	111	4.6	283	5.7
May	200	8.3	290	11.3	490	9.9
June.	243	10.1	554	21.5	797	16.0
July.	352	14.7	475	18.5	827	16.6
August.	336	14.0	477	18.5	813	16.4
September	230	9.6	265	10.3	495	10.0
October	189	7.9	166	6.4	355	7.1
November.	163	6.8	110	4.3	273	5.5
December.	121	5.0	38	1.4	159	3.2
Total.	2,400	100.0	2,569	100.0	4,969	100.0

1/ Manufactured into meal, oil, solubles, shell products, and used as bait and animal food.

U.S. LANDINGS

TAKE OF PRIBILOF ISLANDS SEALSKINS, 1960-71

Year	Skins taken		
	Male	Female	Total
	Number		
1960	36,320	4,296	40,616
1961	82,099	13,875	95,974
1962	53,460	24,455	77,915
1963	42,278	42,976	85,254
1964	48,223	15,983	64,206
1965	41,216	9,804	51,020
1966	52,866	-	52,866
1967	55,638	10,034	65,672
1968	45,437	13,095	58,532
1969	38,805	-	38,805
1970	42,179	-	42,179
1971	31,740	-	31,740

AVERAGE VALUE OF PRIBILOF ISLANDS SEALSKINS, 1960-71

Year	Dressed, dyed, machined, and finished				Sheared	
	Male		Female		Female	
	Spring sale	Fall sale	Spring sale	Fall sale	Spring sale	Fall sale
	(Dollars per skin)					
1960	101.66	104.35	-	-	-	36.05
1961	87.94	86.69	-	-	11.99	41.05
1962	106.42	107.53	-	-	44.33	48.40
1963	122.52	1/111.72	-	(1)	43.09	40.63
1964	105.45	85.56	71.16	64.34	48.82	59.65
1965	116.36	2/103.78	89.21	(2)	47.68	60.80
1966	3/127.99	4/105.93	(3)	(4)	77.22	62.85
1967	5/ 90.30	6/ 80.22	(5)	(6)	48.86	82.43
1968	113.48	91.36	98.71	64.49	50.51	54.88
1969	104.55	76.02	69.40	63.11	46.25	43.98
1970	79.22	82.56	71.23	73.86	34.04	40.37
1971	78.95	68.90	72.90	71.77	38.44	76.55

1/ A total of 4,668 female skins were sold with the male skins. 2/ A total of 1,870 female skins were sold with the male skins. 3/ A total of 2,537 female skins were sold with the male skins. 4/ A total of 3,395 female skins were sold with the male skins. 5/ A total of 3,073 female skins were sold with the male skins. 6/ A total of 3,118 female skins were sold with the male skins. Note:--The skins sold were taken several years prior to the date of sale.

WHALE CATCH, 1971

Month	Fin	Sei	Sperm	Total
	Number			
April	-	-	3	3
May	-	-	5	5
June	2	1	-	3
July	1	1	7	9
August	-	-	9	9
September	1	-	18	19
October	-	-	3	3
November	-	-	2	2
Total, 1971	4	2	47	53
Total, 1970	5	4	1/64	73

1/ The taking of 30 sperm whales was authorized by special scientific permit No.-1970-1.

WHALE PRODUCTS, 1971

Item	Quantity	Value
	Thousand pounds	Thousand dollars
Meal	379	30
Meat	347	35
Oil:		
Sperm	344	34
Whale	74	5
Total, 1971	1,144	104
Total, 1970	1,825	139

Note:--To convert pounds of oil to gallons, divide by 7.75.

CATCH OF FISH, CRUSTACEANS, MOLLUSKS, AND OTHER AQUATIC PLANTS AND ANIMALS, BY LEADING COUNTRIES, 1955-70

(Live weight basis)

Year	Country	Million pounds
1955:		
	Japan	10,819
	United States	6,136
	China (Mainland)	5,551
	Union of Soviet Socialist Republics	5,500
	Norway	3,998
1956:		
	Japan	10,522
	United States	6,574
	China (Mainland)	5,838
	Union of Soviet Socialist Republics	5,767
	Norway	4,822
1957:		
	Japan	11,921
	China (Mainland)	6,878
	United States	6,074
	Union of Soviet Socialist Republics	5,580
	Norway	3,849
1958:		
	Japan	12,136
	China (Mainland)	8,951
	United States	5,960
	Union of Soviet Socialist Republics	5,778
	Norway	3,180
1959:		
	Japan	12,972
	China (Mainland)	11,067
	United States	6,373
	Union of Soviet Socialist Republics	6,076
	Peru	4,821
1960:		
	Japan	13,652
	China (Mainland)	12,787
	Peru	7,868
	Union of Soviet Socialist Republics	6,726
	United States	6,205
1961:		
	Japan	14,794
	China (Mainland) 1/	12,787
	Peru	11,665
	Union of Soviet Socialist Republics	7,165
	United States	6,464
1962:		
	Peru	15,339
	Japan	15,139
	China (Mainland) 1/	12,787
	Union of Soviet Socialist Republics	7,973
	United States	6,554
1963:		
	Peru	15,210
	Japan	14,768
	China (Mainland) 1/	12,787
	Union of Soviet Socialist Republics	8,768
	United States	6,122
1964:		
	Peru	20,098
	Japan	14,001
	China (Mainland) 1/	12,787
	Union of Soviet Socialist Republics	9,867
	United States	5,836
1965:		
	Peru	16,451
	Japan	15,229
	China (Mainland) 1/	12,787
	Union of Soviet Socialist Republics	11,243
	United States	6,006
1966:		
	Peru	19,376
	Japan	15,657
	China (Mainland) 1/	12,787
	Union of Soviet Socialist Republics	11,792
	Norway	6,316
1967:		
	Peru	22,341
	Japan	17,307
	China (Mainland) 1/	12,787
	Union of Soviet Socialist Republics	12,736
	Norway	7,206
1968:		
	Peru	23,193
	Japan	19,113
	Union of Soviet Socialist Republics	13,409
	China (Mainland) 1/	12,787
	Norway	6,182
1969:		
	Peru	20,378
	Japan	18,989
	Union of Soviet Socialist Republics	14,324
	China (Mainland) 1/	12,787
	Norway	5,470
1970:		
	Peru	27,806
	Japan	20,522
	Union of Soviet Socialist Republics	15,977
	China (Mainland) 1/	12,787
	Norway	6,570

1/ Data are for 1960.

Note:--Data reflect latest information published in the various volumes of Yearbook of Fishery Statistics, Food and Agriculture Organization of the United Nations.

CATCH OF FISH, CRUSTACEANS, MOLLUSKS, AND OTHER AQUATIC PLANTS AND ANIMALS, BY COUNTRY, 1969 AND 1970

Country	1969		1970	
	Million pounds live weight	Million dollars	Million pounds live weight	Million dollars
Japan	18,989	2,358	20,522	1/ 2,548
Union of Soviet Socialist Republics	14,324	1/ 1,068	15,977	1/ 1,217
China (Mainland)	12,787	1/ 964	12,787	1/ 973
United States	2/ 5,432	527	2/ 5,984	613
Republic of the Philippines	2,156	332	2,182	434
Spain	3,298	327	3,299	378
India	3,538	275	3,849	341
France	1,699	249	1,709	287
Republic of South Africa	4,133	1/ 312	3,350	1/ 255
Pakistan	1,005	192	926	238
Italy	818	204	889	232
Thailand	2,799	1/ 174	3,517	219
Republic of Korea	1,938	172	2,058	211
Republic of Indonesia	2,677	1/ 202	2,754	1/ 210
Republic of Viet-Nam	1,023	1/ 150	1,273	1/ 200
Norway	5,470	151	6,570	197
United Kingdom	2,388	166	2,423	188
Peru	20,378	117	27,806	187
Canada	3,097	167	3,037	186
China (Taiwan)	1,237	146	1,351	179
North Korea	1,764	1/ 133	1,764	1/ 134
Iceland	1,520	1/ 115	1,618	1/ 123
Denmark	2,812	100	2,704	114
Federal Republic of Germany	1,437	100	1,351	106
Brazil	1,087	98	1,087	1/ 98
Malaysia	820	91	804	94
Burma	912	82	953	87
Poland	900	1/ 68	1,035	1/ 79
Netherlands	713	67	663	78
Mexico	779	75	779	1/ 75
Portugal	1,008	74	1,008	1/ 74
East Germany	683	1/ 52	709	1/ 54
North Viet-Nam	661	1/ 50	661	1/ 50
Sweden	613	46	648	47
Chile	2,374	1/ 28	2,560	1/ 30
Morocco	501	14	564	18
Angola	924	9	812	8
All others	9,975	1/ 1,008	10,796	1/ 1,091
Total	138,669	10,463	152,779	11,653

1/ Estimated by National Marine Fisheries Service, Statistics and Market News Division.

2/ Includes the weight of clam, oyster, scallop, and other mollusk shells. This weight is not included in other United States catch statistics.

Source:--Yearbook of Fishery Statistics, 1970, Vol. 30, Food and Agriculture Organization of the United Nations.

CATCH OF FISH, CRUSTACEANS, MOLLUSKS, AND OTHER AQUATIC PLANTS AND ANIMALS, BY CONTINENT, 1969 AND 1970

Continent	1969		1970	
	Million pounds live weight	Million dollars 1/	Million pounds live weight	Million dollars 1/
Asia	54,503	5,625	57,669	6,179
South America	24,926	333	32,636	424
Europe	24,970	1,881	26,378	2,154
Union of Soviet Socialist Republics	14,324	1,068	15,977	1,217
North and Central America	9,984	863	10,555	993
Africa	9,565	612	9,145	598
Oceania	397	81	419	88
Total	138,669	10,463	152,779	11,653

1/ Estimated for some countries by National Marine Fisheries Service, Statistics and Market News Division.
Source:--Yearbook of Fishery Statistics, 1970, Vol. 30, Food and Agriculture Organization of the United Nations.

CATCH OF FISH, CRUSTACEANS, MOLLUSKS, AND OTHER AQUATIC PLANTS AND ANIMALS, BY MAJOR FISHING AREAS, 1969 AND 1970

Area	1969	1970
	---Million pounds, live weight---	
Marine areas:		
Pacific Ocean and adjacent areas	66,528	77,845
Atlantic Ocean and adjacent areas	49,952	52,020
Indian Ocean and adjacent areas	5,774	6,124
Total	122,254	135,989
Inland waters:		
Asia	11,082	11,105
Africa	2,291	2,445
Union of Soviet Socialist Republics	1,653	1,874
South America	551	551
Europe	529	529
North and Central America	309	286
Oceania	(1)	(1)
Total	16,415	16,790
Grand total	138,669	152,779

1/ Negligible. Source:--Yearbook of Fishery Statistics, 1970, Vol. 30, Food and Agriculture Organization of the United Nations.

ESTIMATED USE OF WORLD CATCH 1969 AND 1970

Manner used	1969	1970
	---Million pounds, live weight---	
Marketed fresh	39,683	41,887
Frozen	18,960	20,944
Cured	17,637	17,857
Canned	12,786	13,669
Reduced to meal and oil	47,399	56,217
Miscellaneous purposes	2,204	2,205
Total	138,669	152,779

Source:--Yearbook of Fishery Statistics, 1970, Vol. 31, Food and Agriculture Organization of the United Nations.

CATCH OF FISH, CRUSTACEANS, MOLLUSKS, AND OTHER AQUATIC PLANTS AND ANIMALS, BY SPECIES GROUPS, 1969 AND 1970

Species group	1969	1970
	------Million pounds, live weight------	
Herring, sardines, anchovies, et al.	41,081	48,505
Cods, hakes, haddock, et al.	22,425	23,669
Miscellaneous marine fishes.	20,822	22,035
Fresh water fishes	15,035	15,322
Redfish, basses, congers, et al.	7,108	8,347
Mollusks	7,165	7,275
Mackerels, snoeks, cutlassfishes, et al.	6,803	6,978
Salmons, trouts, smelts, et al	3,087	4,608
Tunas, bonitos, billfishes, et al.	3,860	3,840
Crustaceans.	3,329	3,571
Flounders, halibuts, soles, et al.	2,873	2,826
Miscellaneous aquatic plants and animals	1,808	2,108
Shads, milkfishes, et al	1,411	1,742
Sharks, rays, chimaeras, et al	1,164	1,193
Jacks, mullets, sauries, et al	434	509
Sea cucumbers, sea urchins, et al.	110	119
River eels	110	88
Sturgeons, paddlefishes, et al	44	44
Total	138,669	152,779

Source:--Yearbook of Fishery Statistics, 1970, Vol. 30, Food and Agriculture Organization of the United Nations.

PROCESSED FISHERY PRODUCTS

PACKAGED FISH

PRODUCTION OF PACKAGED FISH, 1971

Item	Fillets		Steaks		Total	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Fresh	65,680	47,556	671	511	66,351	48,067
Frozen.	51,114	19,994	8,405	6,225	59,519	26,219
Total.	116,794	67,550	9,076	6,736	125,870	74,286

PROCESSED FISHERY PRODUCTS

FISH STICKS, PORTIONS, AND BREADED SHRIMP

PRODUCTION OF FISH STICKS AND PORTIONS, 1960-71

Year	Fish sticks		Fish portions	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1960	65,142	28,671	49,381	17,517
1961	69,824	30,100	59,847	22,192
1962	72,217	30,076	78,678	28,089
1963	79,302	31,590	94,644	33,980
1964	73,574	29,986	106,313	36,532
1965	82,483	35,778	140,464	56,025
1966	81,415	35,787	147,581	58,013
1967	73,909	32,559	161,313	58,518
1968	91,695	41,454	182,771	68,620
1969	113,369	51,242	217,017	83,719
1970	*115,924	*57,722	234,247	97,930
1971	97,776	56,807	*239,662	*122,842

*Record

Note:--A fish stick, generally cut from a block of fillets, is an elongated piece of breaded fish flesh weighing not less than 3/4 of an ounce and not more than 1-1/2 ounces with the largest dimension at least three times that of the next largest dimension. A fish portion, generally cut from a block of fillets, is a piece of fish flesh generally of uniform size with a thickness of 3/8 of an inch or more, and which does not conform to the definition of a fish stick.

PRODUCTION OF BREADED SHRIMP, 1960-71

Year	Breaded	
	Thousand pounds	Thousand dollars
1960	70,348	47,015
1961	73,795	55,089
1962	76,803	62,230
1963	76,216	53,527
1964	91,333	63,388
1965	98,144	77,091
1966	104,926	94,169
1967	94,230	85,319
1968	102,964	101,681
1969	*105,627	111,960
1970	104,953	112,166
1971	104,284	*120,803

*Record.

Note:--Breaded shrimp are peeled shrimp coated with breading ingredients. The product may be identified as fantail (butterfly) and round with or without tail fins and last shell segments; and as portions, sticks, or steaks when prepared from a composite unit of two or more shrimp pieces, whole shrimp or a combination of both without fins or shell.

FROZEN FISHERY PRODUCTS

FREEZINGS OF FISHERY PRODUCTS, 1970 and 1971

Item	1970	1971	Record	
			Year	Quantity
	------ Thousand pounds -------			Thousand pounds
Blocks	4,425	6,484	1955	7,096
Fillets and steaks:				
Cod	1,368	734	1954	10,737
Flounder	2,075	980	1963	10,459
Haddock	2,337	1,483	1950	25,224
Ocean perch	15,402	15,359	1951	71,400
Other	4,217	7,487	-	-
Round, dressed:				
Halibut	19,252	16,371	1962	43,306
Salmon	22,974	19,515	1945	30,009
Whiting	15,304	8,624	1951	45,520
Other fish	81,183	71,232	-	-
Crabs	5,393	7,659	1966	11,273
Lobsters	864	385	1950	1,233
Shrimp	137,191	146,691	1971	146,691
Other shellfish	11,532	11,340	-	-
Bait and animal food	64,777	47,664	1965	76,204
Total fish and shellfish	388,294	362,008	1970	388,294

HOLDINGS OF FISHERY PRODUCTS, DECEMBER 31, 1970 AND 1971

Item	December 31, 1970	December 31, 1971	Record	
			Month and Year	Quantity
	------- Thousand pounds -------			Thousand pounds
Blocks	30,560	62,709	Sept. 1971	75,784
Fillets and steaks:				
Cod	7,353	6,137	Nov. 1952	16,529
Flounder	16,082	9,301	Dec. 1970	16,082
Haddock	5,869	8,873	Oct. 1954	16,217
Ocean perch	21,253	20,743	Nov. 1956	23,934
Other	20,003	12,640	-	-
Fish sticks and portions (cooked and uncooked, all species)	21,962	23,248	Dec. 1969	25,449
Round, dressed:				
Halibut	13,640	9,086	Aug. 1954	31,173
Salmon	22,365	18,590	Sept. 1971	26,812
Whiting	10,769	4,210	Sept. 1951	26,426
Other fish	23,375	21,989	-	-
Crabs	6,955	7,713	April 1966	11,254
Lobsters	4,267	4,729	June 1966	8,962
Shrimp	78,690	74,233	Dec. 1970	78,690
Other shellfish	9,781	7,417	-	-
Bait and animal food	12,845	10,347	June 1965	22,567
Total fish and shellfish	305,769	301,965	Sept. 1971	337,673

PROCESSED FISHERY PRODUCTS

CANNED PACK

PACK OF CERTAIN CANNED PRODUCTS, 1970 AND 1971

Item	Pounds per case	1970	1971	Record pack	
	---------Thousand standard cases----------			Year	Thousand standard cases
Tuna	(1)	22,063	22,208	1971	22,208
Salmon	48	3,822	3,393	1936	8,965
Sardines, Maine	23.4	807	951	1950	3,844
Mackerel, jack and Pacific	45	189	367	1947	1,755
Crab meat	19.5	261	138	1966	564
Shrimp	6.75	3,722	3,166	1970	3,722
Clams:					
Whole and minced	15	580	634	1967	689
Chowder and juice	30	1,893	2,051	1971	2,051
Oysters	7	273	470	1937	1,519
Animal food and bait	48	11,265	11,307	1971	11,307
Other	Various	1,343	1,640	-	-
Total	-	46,188	46,325	-	-

1/ Solid, 21 pounds; chunk, 19.5 pounds; flakes and grated, 18 pounds.

PRODUCTION OF CANNED FISHERY PRODUCTS, 1960-71

Year	For human consumption		For animal food and bait		Total	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1960	660,928	342,747	422,490	44,848	1,083,418	387,595
1961	708,707	382,809	334,033	40,027	1,042,740	422,836
1962	757,302	410,183	376,408	46,683	1,133,710	456,866
1963	728,937	381,329	306,972	40,278	1,035,909	421,607
1964	742,114	391,026	353,452	45,634	1,095,566	436,660
1965	749,518	446,833	372,111	48,398	1,121,629	495,231
1966	822,369	507,841	365,178	55,867	1,187,547	563,708
1967	689,739	445,710	499,653	79,853	1,189,392	525,563
1968	782,102	499,923	484,923	84,621	1,267,025	583,908
1969	716,335	493,059	451,946	82,474	1,168,281	575,533
1970	805,178	632,625	540,713	*109,135	1,345,891	741,760
1971	809,206	*656,532	*542,734	106,966	*1,351,940	*763,498

*Record For human consumption: 835,812,000 pounds in 1950.

PROCESSED FISHERY PRODUCTS

FISH MEAL, OIL, AND SOLUBLES

PRODUCTION OF FISH MEAL, OIL, AND SOLUBLES, 1970 AND 1971

	1970	1971	Record	
			Year	Quantity
	----------Thousand tons--------			Thousand tons
Meal:				
Menhaden.	188.6	221.0	1961	247.6
Herring, sea.	6.4	5.2	1937	20.5
Tuna and mackerel . . .	26.7	29.3	1971	29.3
Unclassified.	47.5	36.9	-	-
Total	269.2	292.4	1962	312.2
	---------Thousand pounds-------			Thousand pounds
Oil:				
Menhaden.	186,283	242,071	1971	242,071
Herring, sea.	5,437	5,856	1937	42,172
Tuna and mackerel . . .	3,534	4,933	1950	6,633
Unclassified.	10,830	9,482	-	-
Total	206,084	262,342	1936	299,264
	------------Tons------------			Tons
Fish solubles	94,968	101,453	1959	165,359

INDUSTRIAL PRODUCTS

PRODUCTION OF INDUSTRIAL PRODUCTS, 1960-71

Year	Quantity			Value			
	Fish meal	Fish solubles 1/	Marine animal oil	Fish meal, oil, and solubles	Shell products	Other industrial products	Grand total
	Tons	Tons	Thousand pounds	----------Thousand dollars----------			
1960. . .	290,137	98,929	209,143	42,689	10,074	13,832	66,595
1961. . .	311,265	112,254	258,118	51,781	9,362	13,426	74,569
1962. . .	*312,259	124,254	250,075	53,210	8,557	13,911	75,678
1963. . .	255,907	107,402	185,827	47,842	7,000	13,759	68,601
1964. . .	235,252	93,296	180,198	46,998	6,192	16,721	69,911
1965. . .	254,051	94,840	195,440	56,498	5,576	20,756	82,830
1966. . .	223,821	83,441	164,045	49,916	5,131	17,925	72,972
1967. . .	211,189	74,675	122,398	36,738	4,933	19,356	61,027
1968. . .	235,136	71,833	174,072	41,294	4,651	24,182	70,127
1969. . .	252,664	81,692	169,782	53,272	4,170	*25,563	83,005
1970. . .	269,197	94,968	206,084	69,485	3,409	26,646	99,540
1971. . .	292,429	110,403	262,342	*70,173	4,128	31,378	*105,679

1/ Includes homogenized condensed fish for 1960-63. *Record (fish solubles production: 165,359 tons in 1959; marine animal oil production: 299.3 million pounds in 1936; shell products value: $17,253,000 in 1950).

FOREIGN TRADE

U.S. IMPORTS

IMPORTS OF FISHERY PRODUCTS, 1960-71

Year	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	--------Thousand dollars----------	
1960	1,095,014	310,596	52,685	363,281
1961	1,087,175	339,318	61,301	400,619
1962	1,255,532	405,832	83,975	489,807
1963	1,196,977	399,928	100,784	500,712
1964	1,318,099	433,674	130,569	564,243
1965	1,398,778	479,412	121,492	600,904
1966	1,593,714	568,091	151,611	719,702
1967	1,470,437	538,301	169,582	707,883
1968	1,741,365	643,165	179,504	822,669
1969	1,706,571	704,809	139,484	844,293
1970	*1,873,300	812,530	*224,880	1,037,410
1971	1,755,823	*872,523	187,131	*1,059,654

*Record. Source:--Department of Commerce, Bureau of the Census.

IMPORTS: VALUE, DUTIES COLLECTED, AND AD VALOREM EQUIVALENT, 1960-71

Year	Value		Duties collected		Average ad valorem equivalent	
	Fishery imports	All imports	Fishery imports	All imports	Fishery imports	All imports
	------Thousand dollars-------		-------Thousand dollars-------		-------Percent-------	
1960	363,281	14,650,000	15,857	1,084,000	4.4	7.4
1961	400,619	14,657,000	16,904	1,057,000	4.2	7.2
1962	489,807	16,241,000	17,910	1,220,000	3.7	7.5
1963	500,712	17,014,000	17,660	1,236,000	3.5	7.3
1964	564,243	18,600,300	22,035	1,583,000	3.9	8.5
1965	600,904	21,281,800	22,595	1,639,921	3.8	7.7
1966	719,702	25,360,330	24,812	1,919,514	3.4	7.6
1967	707,883	26,733,200	24,709	2,016,400	3.5	7.5
1968	822,669	32,991,700	25,455	2,341,100	3.1	7.1
1969	844,293	35,870,400	25,421	2,551,200	3.0	7.1
1970	1,037,410	39,767,700	25,175	2,584,100	2.4	6.5
1971	1,059,654	45,545,900	1/22,430	1/2,768,000	2.1	6.1

1/ These calculated duties do not include the temporary surcharge imposed by the President under Proclamation No. 4074, effective August 16, 1971 and terminating on December 20, 1971.

Source:--Department of Commerce, Bureau of the Census.

U.S. IMPORTS

IMPORTS OF FISHERY PRODUCTS, 1970 AND 1971

Item	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Edible fishery products:				
Fresh and frozen:				
Fillets:				
Groundfish	186,107	64,010	171,452	71,436
Other	136,102	63,592	114,289	54,557
Total	322,209	127,602	285,741	125,993
Blocks and slabs	272,655	70,622	311,166	110,243
Halibut	18,213	8,124	19,971	8,228
Salmon	7,448	6,656	7,684	6,027
Tuna:				
Albacore	205,261	56,897	187,009	54,655
Other	234,279	41,528	278,788	51,085
Loins and discs	3,229	2,099	7,967	5,544
Sea scallops (meats)	16,830	19,666	17,387	21,932
Lobsters:				
Common (includes fresh-cooked meat)	17,113	18,991	17,835	23,653
Spiny	37,741	74,801	41,792	105,717
Shrimp (mostly frozen, some canned and dried)	218,715	200,035	191,295	196,277
Canned:				
Salmon	2,441	1,577	1,551	1,132
Sardines:				
In oil	34,070	15,820	31,034	15,641
Not in oil	12,838	3,535	18,985	5,079
Tuna:				
In oil	153	114	1,050	687
Not in oil	72,109	44,195	58,792	41,668
Bonito and yellowtail:				
In oil	830	367	1,858	752
Not in oil	402	157	667	216
Crab meat	2,765	5,283	3,723	6,474
Lobsters:				
Common	2,381	7,803	2,292	7,979
Spiny	102	163	105	256
Oysters (mostly canned)	14,953	8,140	9,452	6,545
Other	376,563	98,355	259,679	76,740
Total edible fishery products	1,873,300	812,530	1,755,823	872,523
Nonedible fishery products:				
Scrap and meal	502,984	37,713	566,498	38,253
Solubles	1,545	87	546	28
Whale oil, sperm	55,608	5,944	45,563	7,323
Other	-	181,136	-	141,527
Total nonedible fishery products	-	224,880	-	187,131
Grand total	-	1,037,410	-	1,059,654

Note:--The data include imports into U.S. territories and possessions and landings of tuna by foreign vessels in American Samoa.

Source:--Department of Commerce, Bureau of the Census.

FOREIGN TRADE

U.S. IMPORTS

IMPORTS OF EDIBLE FISHERY PRODUCTS, BY CONTINENT AND COUNTRY OF ORIGIN, 1970 AND 1971

Continent and country	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
North America:				
Canada	497,207	178,211	506,224	206,164
Mexico	94,601	82,985	101,281	88,019
Panama	19,941	13,901	24,763	13,237
Nicaragua	6,560	6,709	6,074	7,599
El Salvador	6,689	5,536	6,731	6,191
Honduras	4,676	4,883	5,384	5,669
Other	64,342	34,120	18,028	21,450
Total	694,016	326,345	668,485	348,329
South America:				
Brazil	17,869	16,063	16,123	17,886
Venezuela	12,616	11,905	12,094	13,043
Guyana	9,895	11,734	9,005	12,413
Ecuador	22,363	8,922	28,728	11,309
French Guiana	5,116	5,893	3,862	5,581
Other	61,338	21,603	53,941	4,659
Total	129,197	76,120	123,753	64,891
Europe:				
Iceland	140,321	44,603	121,830	54,724
Norway	124,517	37,561	109,722	42,720
Denmark	31,656	10,543	56,204	22,736
United Kingdom	14,579	7,143	25,012	12,571
Spain	15,325	7,848	18,875	11,366
Portugal	12,175	7,802	8,638	5,608
Poland	16,497	3,822	15,098	5,411
Netherlands	7,112	4,213	6,885	4,547
Other	23,236	10,799	1,664	5,974
Total	385,418	134,334	363,928	165,657
Asia:				
Japan	457,456	147,162	421,534	144,657
India	34,429	18,809	26,852	17,129
Taiwan	15,456	6,117	11,440	5,932
Thailand	5,094	4,480	4,003	4,450
Pakistan	7,327	6,133	3,401	3,151
Malaysia	11,516	4,379	7,670	2,829
Other	24,301	14,440	19,301	15,300
Total	555,579	201,520	494,201	193,448
Australia and Oceania:				
Australia	12,492	24,859	17,885	40,534
New Zealand	4,964	11,569	5,265	13,486
British Western Pacific Islands	24,923	7,982	11,238	3,940
Other	3,255	669	6,498	3,092
Total	45,634	45,079	40,886	61,052
Africa:				
Republic of South Africa	23,425	16,518	15,085	19,623
Angola	2,283	933	12,239	3,103
Sierra Leone	4,340	1,059	8,807	2,922
Ivory Coast	17,745	3,788	8,799	2,734
Ghana	1,256	367	10,312	2 043
Other	14,407	6,467	9,328	8,721
Total	63,456	29,132	64,570	39,146
Grand total	1,873,300	812,530	1,755,823	872,523

Source:--Department of Commerce, Bureau of the Census.

U.S. IMPORTS

IMPORTS OF FISH BLOCKS AND SLABS, BY SPECIES, 1970 AND 1971

Species	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Cod	194,959	48,730	192,993	69,165
Flatfish	12,105	4,657	22,610	8,917
Haddock	20,350	6,490	28,924	11,756
Pollock	20,758	4,084	28,879	8,670
Other	24,483	6,662	37,760	11,735
Total	272,655	70,623	311,166	110,243

Source:--Department of Commerce, Bureau of the Census.

IMPORTS OF FISH BLOCKS AND SLABS BY COUNTRY OF ORIGIN, 1970 AND 1971

Country	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Canada	83,704	24,357	96,383	35,338
Denmark	15,747	4,044	35,756	12,909
Greenland	5,139	1,303	6,751	2,433
Iceland	73,345	19,357	62,690	23,050
Norway	71,820	15,932	57,363	18,068
Other	22,900	5,630	52,223	18,445
Total	272,655	70,623	311,166	110,243

Source:--Department of Commerce, Bureau of the Census.

IMPORTS OF GROUNDFISH FILLETS AND STEAKS, BY SPECIES, 1970 AND 1971 1/

Species	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Cod	95,801	31,451	80,686	35,945
Haddock 2/	36,133	15,517	34,026	16,846
Ocean perch, Atlantic	54,173	17,042	56,740	18,645
Total	186,107	64,010	171,452	71,436

1/ Does not include data on fish blocks and slabs. 2/ Includes some quantities of cusk, hake, and pollock fillets.

Source:--Department of Commerce, Bureau of the Census.

U.S. IMPORTS

QUOTA AND IMPORTS OF GROUNDFISH FILLETS AND STEAKS, 1960-71 1/

Year	Quota 2/	Imports	
		Under quota 3/	Over quota 4/
	Thousand pounds		
1960	36,533	36,533	29,345
1961	32,601	32,601	43,890
1962	28,571	28,571	49,307
1963	24,875	24,875	53,623
1964	24,862	24,862	55,542
1965	24,384	24,384	55,763
1966	23,591	23,591	84,933
1967	24,883	24,883	69,180
1968	24,895	24,895	104,255
1969	26,466	26,466	133,514
1970	27,401	27,401	158,706
1971	30,329	30,329	141,123

1/ Includes Atlantic ocean perch. 2/ Limited to 15 million pounds or 15 percent of the average apparent annual U.S. consumption during the three immediately preceding calendar years, whichever is the greater. 3/ Dutiable at 1.875 cents per pound. 4/ Dutiable at 2.5 cents per pound.
Source:--Data on import quotas and imports under quota from Department of Treasury, Bureau of Customs. Imports over quota calculated from imports reported by Department of Commerce, Bureau of the Census.

QUOTA AND IMPORTS OF CANNED TUNA NOT IN OIL, 1960-71

Year	Quota 1/	Imports	
		Under quota 2/	Over quota 3/
	Thousand pounds		
1960	53,448	50,322	-
1961	57,115	56,210	-
1962	59,059	54,379	-
1963	63,131	56,414	-
1964	60,912	52,931	-
1965	66,059	49,204	-
1966	65,662	57,987	-
1967	69,472	62,275	-
1968	66,985	64,907	-
1969	71,703	71,333	-
1970	70,146	70,146	902
1971	77,296	55,614	-

1/ Imports have been subject to tariff quotas since April 14, 1956, and are based on 20 percent of the previous year's domestic pack excluding American Samoa.
2/ Dutiable in 1956-67 at 12.5 percent ad valorem; 1968, 11 percent; 1969, 10 percent; 1970, 8.5 percent; and 1971, 7 percent ad valorem.
3/ Dutiable in 1970 at 17 percent ad valorem; and 1971 at 15 percent ad valorem.
Source:--Department of the Treasury, Bureau of Customs. (Data in this table will not agree with tuna import data released by the Department of Commerce, Bureau of the Census.)

U.S. IMPORTS

IMPORTS OF SHRIMP, BY COUNTRY OF ORIGIN, 1970 AND 1971

Country	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
North America:				
Mexico	72,018	71,477	74,624	75,274
Panama	11,633	11,966	9,316	9,938
Nicaragua	6,146	6,021	5,639	6,915
El Salvador	6,662	5,521	6,707	6,155
Honduras	2,442	2,346	3,942	3,967
Trinidad	3,895	4,129	2,434	2,878
Guatemala	2,948	2,796	2,338	2,392
Costa Rica	2,534	1,889	2,323	2,250
Canada	660	759	379	351
Canal Zone	197	174	154	162
Other	1,434	1,912	123	191
Total	110,569	108,990	107,979	110,473
South America:				
Guyana	10,165	11,705	8,981	12,396
Venezuela	11,563	11,199	10,083	11,921
Ecuador	5,992	5,735	5,332	6,054
French Guiana	5,054	5,802	3,808	5,561
Brazil	2,605	2,707	4,406	5,159
Colombia	4,802	4,643	4,841	4,891
Surinam	2,582	3,066	2,128	2,656
Peru	309	307	370	371
Chile	479	488	105	98
Argentina	-	-	13	13
Other	27	109	-	-
Total	43,578	45,761	40,067	49,120
Europe:				
Spain	468	600	832	1,289
United Kingdom	24	24	86	152
Iceland	5	12	53	98
Denmark	61	121	36	84
Union of Soviet Socialist Republics	348	348	67	59
Netherlands	-	-	29	29
Norway	16	29	11	26
Other	70	85	17	25
Total	992	1,219	1,131	1,762
Asia:				
India	33,570	17,705	22,770	13,596
Thailand	3,572	3,226	2,020	2,682
Pakistan	7,125	5,922	2,924	2,606
Kuwait	3,909	2,802	2,173	1,790
Saudi Arabia	1,703	1,499	1,011	990
Republic of China (Taiwan)	914	934	501	896
Iran	1,452	946	733	735
Other	5,817	5,527	2,921	2,909
Total	58,062	38,561	35,053	26,204
Australia and Oceania	1,608	2,056	3,058	4,662
Africa	3,906	3,448	4,008	4,056
Grand total	218,715	200,035	191,296	196,277

Source:--Department of Commerce, Bureau of the Census.

FOREIGN TRADE

U.S. IMPORTS

IMPORTS OF SHRIMP BY PRODUCT TYPES, 1970 AND 1971

Item	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Shell-on (headless)	139,978	136,480	123,926	135,411
Peeled:				
Canned	3,876	3,192	2,742	2,631
Not breaded:				
Raw	69,501	55,575	60,136	54,339
Other	3,946	3,451	3,279	2,821
Breaded	1,414	1,337	1,212	1,075
Total	218,715	200,035	191,295	196,277

Source:--Department of Commerce, Bureau of the Census.

IMPORTS OF FISH MEAL AND SCRAP BY COUNTRY OF ORIGIN, 1970 AND 1971

Country	1970		1971	
	Tons	Thousand dollars	Tons	Thousand dollars
Canada	75,453	12,222	57,630	8,798
Chile	11,631	1,563	-	-
Peru	153,202	21,788	199,566	26,783
Norway	9,188	1,834	24,431	2,436
Other countries	2,018	306	1,622	236
Total	251,492	37,713	283,249	38,253

Source:--Department of Commerce, Bureau of the Census.

IMPORTS OF FISH SOLUBLES BY COUNTRY OF ORIGIN, 1970 AND 1971

Country	1970		1971	
	Tons	Thousand dollars	Tons	Thousand dollars
Canada	144	18	56	7
Peru	330	40	-	-
Total	474	58	56	7

Source:--Department of Commerce, Bureau of the Census.

U.S. EXPORTS

U.S. EXPORTS OF DOMESTIC FISHERY PRODUCTS, 1960-71

Year	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars		
1960	61,454	25,622	18,543	44,165
1961	40,137	19,594	15,116	34,710
1962	56,530	22,470	13,258	35,728
1963	64,745	30,376	26,229	56,605
1964	94,835	42,878	21,326	64,204
1965	96,444	49,308	20,175	69,483
1966	109,604	62,882	21,931	84,813
1967	107,940	67,524	14,685	82,209
1968	90,808	56,845	10,912	67,757
1969	140,646	86,474	18,059	104,533
1970	140,375	93,878	23,606	117,484
1971	171,816	113,637	25,608	139,245

*Record. Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF SELECTED DOMESTIC FISHERY PRODUCTS, 1970 AND 1971

Item	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Fresh and frozen:				
Salmon	28,201	18,145	32,891	21,258
Shrimp	29,570	26,415	30,003	30,686
Canned:				
Mackerel	98	20	78	9
Salmon	16,811	13,134	18,232	15,929
Sardines	1,456	670	890	435
Shrimp	6,076	6,652	8,334	9,278
Squid	8,825	1,075	10,096	1,339
Fish oils, unclassified	158,787	15,699	229,898	19,312

Source:--Department of Commerce, Bureau of the Census.

U.S. EXPORTS

U.S. EXPORTS OF DOMESTIC FISHERY PRODUCTS, BY COUNTRY OF DESTINATION, 1970

Country	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
North America:				
Canada	33,661	21,553	2,356	23,909
Mexico	10,195	6,947	127	7,074
Bahamas	904	819	3	822
Jamaica	1,098	504	4	508
Netherlands Antilles	539	481	-	481
Bermuda	436	405	6	411
Panama	264	214	2	216
Leeward and Windward Islands	314	87	(1)	87
Dominican Republic	92	69	14	83
Barbados	71	63	-	63
Honduras	448	35	-	35
Trinidad	60	28	3	31
Costa Rica	55	23	(1)	23
Guatemala	21	17	(1)	17
El Salvador	7	8	1	9
Haiti	9	5	1	6
Nicaragua	3	3	2	5
French West Indies	2	3	(1)	3
British Honduras	-	-	1	1
Total	48,179	31,264	2,520	33,784
South America:				
Venezuela	474	375	10	385
Peru	40	35	15	50
Brazil	74	34	(1)	34
Uruguay	-	-	21	21
Colombia	9	6	15	21
Argentina	60	11	8	19
Bolivia	15	15	-	15
Surinam	15	14	(1)	14
Chile	1	-	9	9
Ecuador	-	-	2	2
Paraguay	2	2	-	2
Guyana	3	2	-	2
Total	693	494	80	574
Europe:				
United Kingdom	17,620	14,926	3,087	18,013
Sweden	11,661	8,829	1,612	10,441
Netherlands	5,183	2,608	5,624	8,232
France	6,737	5,735	621	6,356
Norway	1,072	748	3,442	4,190
West Germany	6,019	2,108	1,809	3,917
Switzerland	310	383	2,007	2,390
Belgium	2,988	2,326	47	2,373
Italy	465	239	864	1,103
Greece	7,478	978	15	993
Denmark	1,433	813	8	281
Portugal	15	13	372	385

See footnotes at end of table.

(Continued on next page)

U.S. EXPORTS

U.S. EXPORTS OF DOMESTIC FISHERY PRODUCTS, BY COUNTRY OF DESTINATION, 1970 - Continued

Country	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Europe - Continued:				
Spain	339	92	33	125
Finland	181	99	3	102
Ireland	35	29	(1)	29
Austria	12	10	12	22
Cyprus	7	7	-	7
Malta	-	1	-	1
Turkey	-	-	(1)	(1)
Iceland	1	-	(1)	(1)
Total	61,556	39,944	19,556	59,500
Asia:				
Japan	18,866	18,120	1,338	19,458
Philippines	4,389	529	15	544
Hong Kong	450	410	4	414
South Vietnam	1,127	367	-	367
Republic of Korea	1,367	161	16	177
Singapore	243	173	-	173
Nansei and Nanpo Islands	133	150	-	150
Lebanon	21	31	2	33
Saudi Arabia	41	31	(1)	31
Bahrain	17	27	-	27
Isarel	-	-	27	27
Malaysia	121	23	-	23
Thailand	18	15	4	19
Iran	13	11	-	11
Republic of China (Taiwan)	10	8	(1)	8
Kuwait	8	7	-	7
Indonesia	10	6	-	6
India	3	3	1	4
Jordan	2	2	-	2
Laos	-	-	(1)	(1)
Total	26,839	20,074	1,407	21,481
Australia and Oceania:				
Australia	2,165	1,185	24	1,209
French Pacific Islands	278	270	(1)	270
New Zealand	214	204	-	204
New Guinea	39	37	-	37
Trust Territory of Pacific Islands	20	18	-	18
British Western Pacific Islands	4	3	-	3
Total	2,720	1,717	24	1,741

See footnotes at end of table.

(Continued on next page)

U.S. EXPORTS

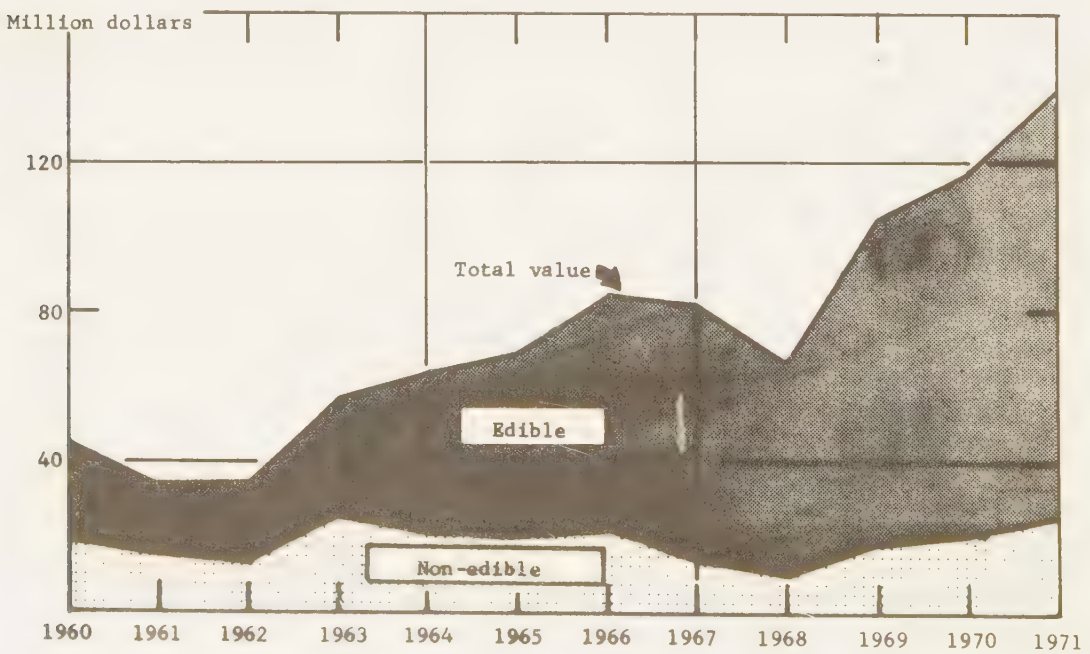
U.S. EXPORTS OF DOMESTIC FISHERY PRODUCTS, BY COUNTRY OF DESTINATION, 1970 - Continued

Country	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Africa:				
Republic of South Africa	191	183	8	183
Canary Island	47	71	-	71
Liberia	53	30	-	30
Libya	24	27	-	27
Zambia	23	24	-	24
Mazambique	10	10	-	10
Nigeria	3	3	5	8
Ghana	14	8	-	8
Kenya	4	4	4	8
Ivory Coast	3	5	1	6
Morocco	4	5	-	5
Tanzania	3	3	1	4
Angola	2	3	(1)	3
Congo	2	3	-	3
Ethiopia	2	3	-	3
United Arab Republic	-	-	(1)	(1)
West Portuguese Africa	(1)	(1)	-	(1)
Uganda	(1)	(1)	(1)	(1)
Mauritania	3	3	-	3
Total	388	385	19	404
Grand total	140,375	93,878	23,606	117,484

1/ Less than 500 pounds or $500.

Source: Department of Commerce, Bureau of the Census.

VALUE OF EXPORTS OF DOMESTIC FISHERY PRODUCTS, 1960-71



U.S. EXPORTS

U.S. EXPORTS OF DOMESTIC FISHERY PRODUCTS, BY COUNTRY OF DESTINATION,1971

Country	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	Thousand dollars	Thousand dollars
North America:				
Canada	32,783	24,734	2,753	27,487
Mexico	10,789	8,106	66	8,172
Bahamas	991	978	3	981
Jamaica	1,109	595	38	633
Bermuda	737	539	1	540
Netherlands Antilles	485	439	2	441
Panama	374	270	2	272
Leeward and Windward Islands	520	129	3	132
Dominican Republic	123	95	32	127
Barbados	76	73	4	77
Honduras	341	49	-	49
Trinidad	27	31	11	42
Costa Rica	178	27	1	28
Nicaragua	143	20	-	20
Guatemala	9	10	9	19
British Honduras	8	8	-	8
El Salvador	5	5	1	6
French West Indies	(1)	1	1	2
Haiti	2	2	-	2
Greenland	1	1	-	1
Total	48,701	36,112	2,927	39,039
South America:				
Venezuela	340	299	524	823
Surinam	30	27	6	33
Colombia	15	14	11	25
Argentina	1	3	14	17
Bolivia	8	8	-	8
Uruguay	2	1	6	7
Chile	-	-	6	6
Brazil	1	1	5	6
Ecuador	-	-	4	4
Miquel	5	4	-	4
Guyana	1	1	(1)	1
Peru	-	-	(1)	(1)
Total	403	358	576	934
Europe:				
United Kingdom	20,668	17,591	3,307	20,898
Netherlands	4,039	2,940	9,470	12,410
Sweden	10,583	8,539	2,255	10,794
France	12,625	6,990	856	7,846
West Germany	13,596	3,034	2,472	5,506
Italy	9,040	2,502	378	2,880
Belgium	3,883	2,205	105	2,310
Switzerland	414	509	1,550	2,059
Denmark	2,053	1,401	8	1,409
Greece	10,038	1,182	16	1,198
Norway	1,237	943	2	945
Spain	134	306	36	342
Portugal	1,005	133	-	133
Yugoslavia	80	96	-	96

See footnotes at end of table.

(Continued on next page)

U.S. EXPORTS OF DOMESTIC FISHERY PRODUCTS, BY COUNTRY OF DESTINATION, 1971 - Continued

Country	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	Thousand dollars	Thousand dollars
Europe - continued:				
Iceland	319	43	-	43
Austria	32	20	5	25
Ireland	34	24	-	24
Finland	49	22	1	23
Cyprus	21	11	-	11
Azores	-	-	9	9
Malta	2	1	-	1
Union of Soviet Socialist Republics	-	-	(1)	(1)
Total	89,852	48,492	20,470	68,962
Asia:				
Japan	24,549	25,285	748	26,033
Philippines	4,851	759	6	765
Hong Kong	168	201	12	213
Iran	17	14	108	122
Singapore	110	108	6	114
Nansei and Nanpo Islands	77	77	-	77
Lebanon	22	26	50	76
Republic of Korea	91	51	21	72
Israel	41	31	15	46
Bahrain	15	27	-	27
Thailand	15	16	(1)	16
Saudi Arabia	15	15	-	15
Kuwait	4	6	-	6
Malaysia	3	3	-	3
Arabia	2	2	-	2
Indonesia	4	3	-	3
Pakistan	1	1	-	1
India	(1)	(1)	(1)	(1)
Arabia Peninsula States	(1)	(1)	-	(1)
Total	29,985	26,625	966	27,591
Australia and Oceania:				
Australia	1,995	1,271	24	1,295
New Zealand	281	250	-	250
Egypt	-	-	211	211
French Pacific Islands	191	182	2	184
Trust Territory of the Pacific	62	44	-	44
British Western Pacific Islands	3	2	-	2
Total	2,532	1,749	237	1,986
Africa:				
Republic of South Africa	129	128	396	524
Canary Island	39	42	5	47
Liberia	64	37	(1)	37
Ghana	6	5	30	35
Zambia	17	25	-	25
Nigeria	38	22	-	22
Mozambique	10	12	-	12
Angola	24	11	-	11
Libya	9	11	-	11
Uganda	3	3	-	3
Ivory Coast	(1)	1	1	2
Congo	2	2	-	2
Rhodesia	(1)	1	-	1
Kenya	2	1	-	1
Malawi	(1)	(1)	(1)	(1)
Tanzania	(1)	(1)	(1)	(1)
Mauritius	(1)	(1)	(1)	(1)
Total	343	301	432	733
Grand Total	171,816	113,637	25,608	139,245

1/ Less than 500 pounds or $500.

Source:--Department of Commerce, Bureau of the Census.

U.S. EXPORTS

EXPORTS OF DOMESTIC AND FOREIGN SHRIMP PRODUCTS, 1970 AND 1971

Item	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Fresh and frozen:				
Domestic	29,570	26,415	30,003	30,686
Foreign	14,699	16,050	10,475	15,384
Total	44,269	42,465	40,478	46,070
Canned:				
Domestic	6,076	6,652	8,334	9,278
Foreign	50	69	-	-
Total	6,126	6,721	8,334	9,278
Total:				
Domestic	35,646	33,067	38,337	39,964
Foreign	14,749	16,119	10,475	15,384
Total	50,395	49,186	48,812	55,348

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC FRESH AND FROZEN SHRIMP, BY COUNTRY OF DESTINATION, 1970 AND 1971

Country	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Mexico	9,638	6,718	10,273	7,935
Canada	5,381	6,394	6,134	7,501
Japan	2,715	3,085	3,568	5,650
Sweden	7,250	5,489	5,743	5,011
United Kingdom	2,247	2,282	2,363	2,239
Denmark	362	302	565	595
Bahamas	224	297	233	367
Norway	513	408	246	325
Jamaica	115	122	136	187
Other Countries	1,125	1,318	742	876
Total	29,570	26,415	30,003	30,686

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC CANNED SHRIMP, BY COUNTRY OF DESTINATION, 1970 AND 1971

Country	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Canada	3,600	4,185	4,932	5,593
United Kingdom	1,218	1,102	1,672	1,771
France	217	234	286	342
Switzerland	184	255	201	282
Denmark	43	47	245	258
Republic of South Africa	81	112	64	81
Japan	-	-	14	9
Mexico	3	4	(1)	1
Other countries	730	713	920	941
Total	6,076	6,652	8,334	9,278

1/ Less than 500 pounds. Source:--Department of Commerce, Bureau of the Census.

U.S. EXPORTS

EXPORTS OF DOMESTIC FRESH AND FROZEN SALMON BY COUNTRY OF DESTINATION, 1970 AND 1971

Country	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
France	5,605	4,946	6,955	5,065
Japan	7,676	3,826	9,492	4,961
United Kingdom	4,221	3,328	4,872	3,542
Canada	4,361	1,940	3,983	2,433
Sweden	3,012	1,869	3,389	2,057
Belgium	1,113	820	1,152	961
Norway	229	159	671	495
Netherlands	337	278	522	470
West Germany	401	369	536	450
Denmark	698	236	466	303
Italy	93	83	210	186
Australia	98	70	260	86
Other countries	357	221	383	249
Total	28,201	18,145	32,891	21,258

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC CANNED SARDINES BY COUNTRY OF DESTINATION, 1970 AND 1971

Country	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Canada	1,212	555	685	362
Mexico	120	34	107	28
Trust Territory of the Pacific Islands	2	2	28	15
Bahamas	1	-	18	9
Denmark	63	17	15	6
Other countries	58	62	37	15
Total	1,456	670	890	435

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC CANNED MACKEREL BY COUNTRY OF DESTINATION, 1970 AND 1971

Country	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Canada	88	18	57	5
Bahamas	-	-	11	2
New Zealand	-	-	10	2
Other countries	10	2	-	-
Total	98	20	78	9

Source:--Department of Commerce, Bureau of the Census.

U.S. EXPORTS

EXPORTS OF DOMESTIC CANNED SQUID, BY COUNTRY OF DESTINATION, 1970 AND 1971

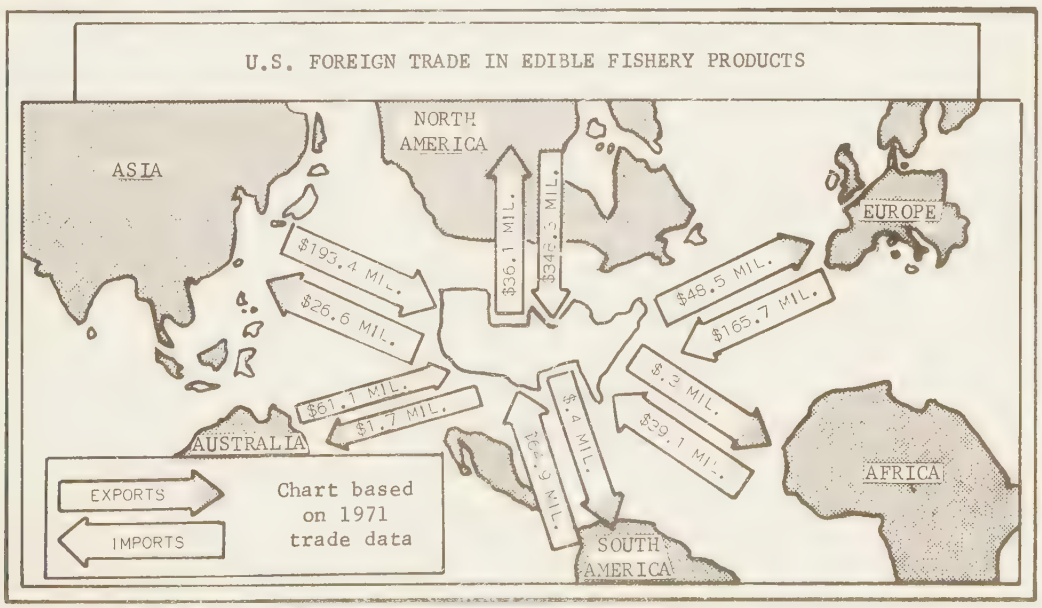
Country	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Greece	4,721	593	5,710	683
Philippines	3,483	408	3,113	512
West Germany	390	45	654	74
Norway	-	-	175	19
Netherlands	31	5	117	16
Costa Rica	-	-	142	12
Other countries	200	24	185	23
Total	8,825	1,075	10,096	1,339

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC FISH AND FISH LIVER OILS, BY COUNTRY OF DESTINATION, 1970 AND 1971

Country	1970		1971	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Netherlands	57,495	5,583	124,919	10,527
Sweden	16,975	1,609	39,720	3,189
United Kingdom	24,602	2,765	28,156	2,328
West Germany	13,212	1,321	24,966	2,097
France	4,208	386	5,818	552
Republic of South Africa	2	2	4,591	392
Canada	1,351	113	960	118
Other countries	40,942	3,920	768	109
Total	158,787	15,699	229,898	19,312

Source:--Department of Commerce, Bureau of the Census.



SUPPLY OF FISHERY PRODUCTS

U.S. SUPPLY OF FISHERY PRODUCTS, 1970 AND 1971

Item	Domestic landings		Imports 1/		Total	
	1970	1971	1970	1971	1970	1971
	Million pounds, round weight					
Edible fishery products:						
Finfish	1,629	1,509	3,025	2,967	4,654	4,476
Shellfish	875	891	651	615	1,526	1,506
Total	2,504	2,400	3,676	3,582	6,180	5,982
Industrial fishery products:						
Finfish	2,378	2,545	2/ 2,881	2/ 3,204	5,259	5,749
Shellfish	25	24	-	-	25	24
Total	2,403	2,569	2/ 2,881	2/ 3,204	5,284	5,773
Total:						
Finfish	4,007	4,054	5,906	6,171	9,913	10,225
Shellfish	900	915	651	615	1,551	1,530
Total	4,907	4,969	6,557	6,786	11,464	11,755

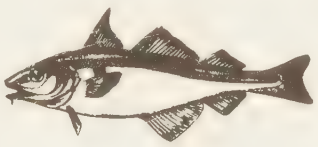
Item	Domestic landings		Imports 1/		Total	
	1970	1971	1970	1971	1970	1971
	Million dollars					
Edible fishery products:						
Finfish	280	257	445	469	725	726
Shellfish	282	338	358	392	640	730
Total	562	595	803	861	1,365	1,456
Industrial fishery products:						
Finfish	47	44	225	187	276	235
Shellfish	4	4	3/	3/	3/	3/
Total	51	48	225	187	276	235
Total:						
Finfish	327	301	1,028	1,048	1,641	1,691
Shellfish	286	342	3/	3/	3/	3/
Total	613	643	1,028	1,048	1,641	1,691

1/ Excludes imports of edible fishery products consumed in Puerto Rico, but includes landings of foreign-caught tuna in American Samoa.
2/ Includes only fish meal and sea herring for industrial purposes.
3/ Included with finfish.
Note:--Value of domestic landings is ex-vessel value. Value of imports generally is export value, packed ready for shipment to the United States.

SUPPLY OF GROUNDFISH FILLETS AND STEAKS, 1960-71 1/

Year	U.S. production		Imports		Total
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1960	93,818	37.6	155,550	62.4	249,368
1961	93,039	32.3	195,099	67.7	288,138
1962	93,625	29.7	221,420	70.3	315,045
1963	83,419	26.5	231,768	73.5	315,187
1964	75,166	23.4	246,569	76.6	321,735
1965	77,180	20.7	294,954	79.3	372,134
1966	75,418	19.3	315,097	80.7	390,515
1967	71,034	20.0	283,567	80.0	354,601
1968	55,349	12.4	390,236	87.6	445,585
1969	47,269	10.0	426,728	90.0	473,997
1970	42,894	8.6	458,762	91.4	501,656
1971	43,558	8.3	*482,618	91.7	*526,176

1/ Includes Atlantic ocean perch and includes blocks and slabs.
*Record. U.S. production: 148,786,000 pounds in 1951.



SUPPLY OF FILLETS AND STEAKS, OTHER THAN GROUNDFISH, 1960-71

Year	U.S. Production		Imports		Total
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1960	59,348	49.0	61,713	51.0	121,061
1961	65,073	49.2	67,167	50.8	132,240
1962	76,361	50.0	76,443	50.0	152,804
1963	82,565	54.5	68,869	45.5	151,434
1964	85,955	53.9	73,554	46.1	159,509
1965	*91,652	55.1	74,724	44.9	166,376
1966	90,472	49.4	92,708	50.6	183,180
1967	81,961	49.1	84,862	50.9	166,823
1968	80,163	42.3	109,163	57.7	189,326
1969	90,344	42.9	120,434	57.1	210,778
1970	90,614	40.0	*136,102	60.0	*226,716
1971	82,312	41.9	114,289	58.1	196,601

*Record

SUPPLY OF FISHERY PRODUCTS

LANDINGS AND IMPORTS OF TUNA, 1961-71

Year	U.S. Landings			Imports		
	Atlantic, Gulf, and Pacific Coast States and Hawaii	Puerto Rico 1/	Total	Fresh & frozen including cooked loins and discs 2/	Canned	
					In oil	In brine
	Thousand pounds					
1961. . . .	325,804	31,050	356,854	269,165	431	58,232
1962. . . .	312,157	28,790	340,947	364,528	358	56,361
1963. . . .	321,619	37,025	358,644	320,910	224	57,270
1964. . . .	305,829	48,393	354,222	379,242	201	54,446
1965. . . .	318,895	54,576	373,471	378,637	211	50,750
1966. . . .	269,172	64,698	333,870	449,840	160	61,400
1967. . . .	328,368	97,882	426,250	387,142	186	65,135
1968. . . .	293,868	107,660	401,528	422,108	150	67,023
1969. . . .	324,884	96,268	421,152	414,453	158	72,958
1970. . . .	393,494	84,852	478,346	464,583	153	72,109
1971. . . .	348,040	128,770	476,810	505,493	1,050	58,792

1/ 1970 and 1971 include a small quantity of fish landed at American Samoa by American flag vessels. 2/ Round weight. Includes landings of foreign-caught fish in American Samoa.

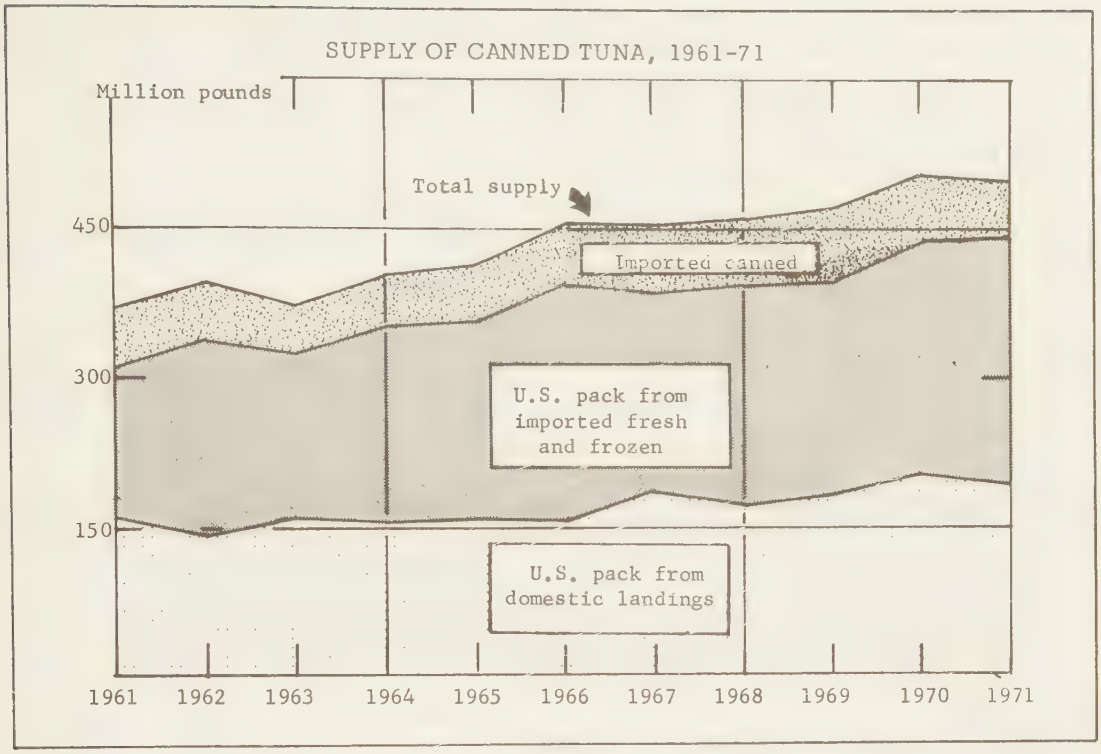
SUPPLY OF CANNED TUNA, 1961-71

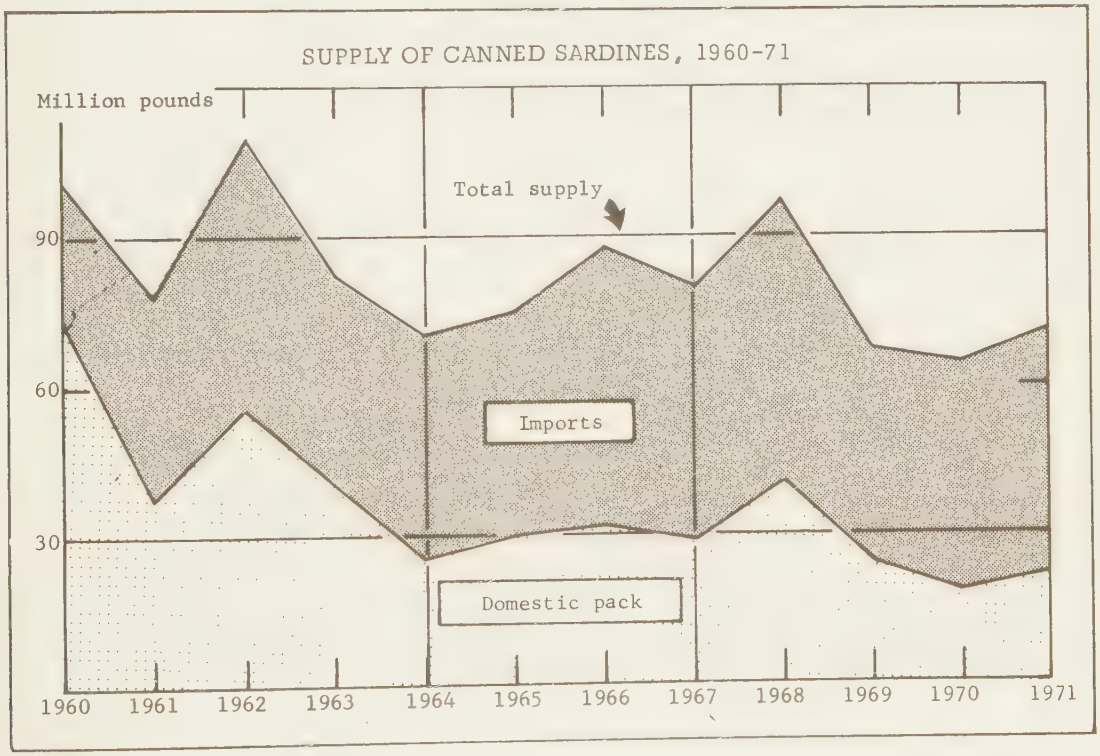
Year	U.S. pack from domestic catch 1/		U.S. pack from imported fresh and frozen tuna 2/		Total	Imported canned		Total supply
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds		Percent	Thousand pounds
1961. . . .	163,853	44.4	146,759	39.7	310,612	58,663	15.9	369,275
1962. . . .	147,586	37.6	187,920	47.9	335,506	56,719	14.5	392,225
1963. . . .	160,822	41.8	165,890	43.2	326,712	57,494	15.0	384,206
1964. . . .	154,208	38.1	195,626	48.4	349,834	54,647	13.5	404,481
1965. . . .	161,515	39.5	196,890	48.1	358,405	50,961	12.4	409,366
1966. . . .	153,231	33.6	241,037	52.9	394,268	61,560	13.5	455,828
1967. . . .	183,236	40.3	205,609	45.3	388,845	65,321	14.4	454,166
1968. . . .	176,524	38.1	219,433	47.4	395,957	67,173	14.5	463,130
1969. . . .	181,786	38.6	216,651	45.9	398,437	*73,116	15.5	471,553
1970. . . .	*203,531	39.9	234,109	45.9	437,640	72,262	14.2	*509,902
1971. . . .	194,967	39.1	*243,840	48.9	*438,807	59,842	12.0	498,649

1/ Includes pack from the U.S. catch landed in Puerto Rico and American Samoa. 2/ Includes tuna canned in American Samoa from foreign-caught fish. *Record.

SUPPLY OF CANNED BONITO AND YELLOWTAIL, 1961-71

Year	U.S. pack		Imports				Total supply
			In oil	In brine	Total		
	Thousand pounds	Percent	Thousand pounds			Percent	Thousand pounds
1961. . . .	3,023	22.6	6,853	3,503	10,356	77.4	13,379
1962. . . .	610	6.5	6,127	2,600	8,727	93.5	9,337
1963. . . .	1,387	19.1	3,480	2,385	5,865	80.9	7,252
1964. . . .	467	8.6	3,050	1,940	4,990	91.4	5,457
1965. . . .	944	19.4	2,044	1,888	3,932	80.6	4,876
1966. . . .	4,426	60.8	1,534	1,320	2,854	39.2	7,280
1967. . . .	5,996	78.6	558	1,075	1,633	21.4	7,629
1968. . . .	4,202	82.5	547	346	893	17.5	5,095
1969. . . .	4,948	87.3	354	364	718	12.7	5,666
1970. . . .	2,815	69.6	830	402	1,232	30.4	4,047
1971. . . .	5,553	68.7	1,858	667	2,525	31.3	8,078


SUPPLY OF CANNED TUNA, 1961-71
Million pounds
Total supply
450
300
150
Imported canned
U.S. pack from imported fresh and frozen
U.S. pack from domestic landings
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971


SUPPLY OF CANNED SARDINES, 1960-71
Million pounds
Total supply
90
60
30
Imports
Domestic pack
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971

SUPPLY OF CANNED SARDINES, 1960-71

Year	U.S. production		Imports		Exports		Total for U.S. consumption
	Maine	Pacific	In oil	Not in oil	In oil	Not in oil	
	Thousand pounds						
1960. . . .	46,744	27,714	21,236	6,140	264	20,955	80,615
1961. . . .	17,635	18,859	27,877	14,611	185	7,475	71,322
1962. . . .	50,248	6,168	32,603	20,342	578	7,188	101,595
1963. . . .	37,890	2,568	19,908	21,640	146	3,493	78,367
1964. . . .	20,259	5,438	20,033	24,602	839	2,426	67,067
1965. . . .	29,646	374	21,532	23,538	(1)	3,376	71,714
1966. . . .	31,118	116	23,601	33,987	(1)	3,557	85,265
1967. . . .	29,260	(2)	25,494	26,945	(1)	1,373	80,326
1968. . . .	40,489	(2)	28,436	30,431	(1)	3,033	96,323
1969. . . .	24,401	(3)	27,220	18,147	(1)	2,095	67,672
1970. . . .	18,872	(3)	34,070	12,838	(1)	1,456	64,324
1971. . . .	22,249	(3)	31,034	18,985	(1)	890	71,378

1/ Data on the pack in oil have been included with the pack not in oil. 2/ Data not available.
3/ There was no pack of Pacific sardines in 1969-71.

SUPPLY OF CANNED SALMON, 1960-71

Year	U.S. pack 1/	Percent of total supply	Imports	Percent of total supply	Total supply	Exports	Total for U.S. consumption
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds		
1960. . . .	136,049	87.7	19,113	12.3	155,162	11,924	143,238
1961. . . .	177,443	96.1	7,167	3.9	184,610	7,186	177,424
1962. . . .	182,435	96.4	6,843	3.6	189,278	8,978	180,300
1963. . . .	158,153	99.2	1,250	.8	159,403	10,228	149,175
1964. . . .	180,442	99.9	236	.1	180,678	20,924	159,754
1965. . . .	174,413	99.9	101	.1	174,514	24,892	149,622
1966. . . .	209,161	99.7	589	.3	209,750	20,484	189,266
1967. . . .	99,473	99.9	121	.1	99,594	20,543	79,051
1968. . . .	165,490	97.1	4,955	2.9	170,445	5,726	164,719
1969. . . .	122,444	98.2	2,217	1.8	124,661	15,536	109,125
1970. . . .	183,466	98.7	2,441	1.3	185,907	16,811	169,096
1971. . . .	162,881	99.1	1,551	.9	164,432	18,232	146,200

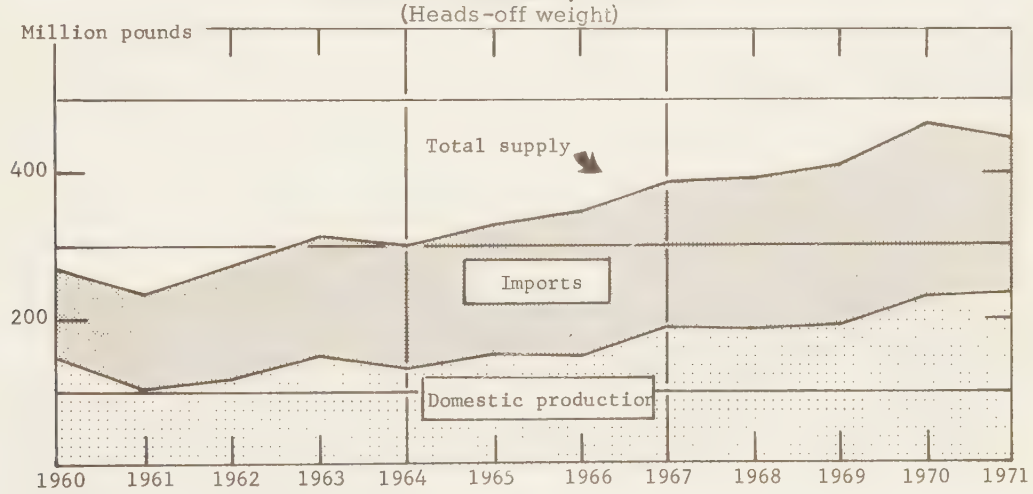
1/ Record pack: 430,328,496 pounds in 1936.

SUPPLY OF SHRIMP, 1960-71

Year	U.S. landings			Imports 1/			Total, heads-off
	Heads-on	Heads-off	Percent of total	Import weight	Heads-off	Percent of total	
	Thousand pounds		Percent	Thousand pounds		Percent	Thousand pounds
1960. . . .	249,452	148,483	55.5	113,418	119,139	44.5	267,622
1961. . . .	174,530	103,865	43.6	126,268	134,564	56.4	238,429
1962. . . .	191,105	119,154	43.9	141,183	152,504	56.1	271,658
1963. . . .	240,478	150,737	47.4	151,530	167,344	52.6	318,081
1964. . . .	211,821	133,113	44.0	154,577	169,510	56.0	302,623
1965. . . .	243,645	152,346	46.0	162,942	178,955	54.0	331,301
1966. . . .	239,046	148,255	43.2	178,549	194,946	56.8	343,201
1967. . . .	307,787	189,972	48.5	186,073	202,105	51.5	392,077
1968. . . .	299,289	184,065	46.7	189,455	210,063	53.3	394,128
1969. . . .	318,537	195,002	47.1	193,741	218,697	52.9	413,699
1970. . . .	367,469	224,272	47.7	*218,715	*245,658	52.3	*469,930
1971. . . .	*387,932	*236,328	52.5	191,295	213,857	47.5	450,185

1/ Imports were converted to heads-off weight on the basis of available data on the actual condition of the imports. *Record.

SUPPLY OF SHRIMP, 1960-71
(Heads-off weight)



SUPPLY OF CANNED SHRIMP, 1960-71

Year	U.S. pack	Imports	Exports		Total for U.S. consumption
			Domestic	Foreign	
			Thousand pounds		
1960. . . .	14,268	(1)	3,482	34	(1)
1961. . . .	9,284	(1)	2,503	25	(1)
1962. . . .	13,249	(1)	2,212	44	(1)
1963. . . .	15,904	2/4,120	3,199	33	16,792
1964. . . .	9,740	3,004	3,692	25	9,027
1965. . . .	15,629	2,248	4,510	34	13,333
1966. . . .	14,201	1,547	4,479	33	11,236
1967. . . .	16,851	2,225	5,255	19	13,802
1968. . . .	18,967	4,307	4,467	20	18,787
1969. . . .	20,729	3,583	5,682	39	18,591
1970. . . .	*25,125	*3,876	6,076	50	*22,875
1971. . . .	21,372	2,742	*8,334	-	15,780

1/ Data not available. 2/ Partly estimated. *Record.

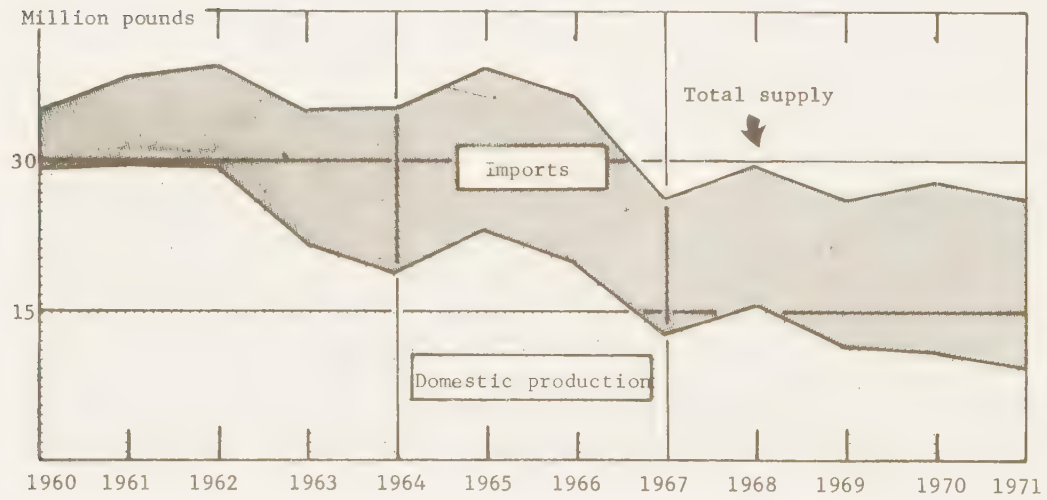
SUPPLY OF FISHERY PRODUCTS

SUPPLY OF SCALLOP MEATS, 1960-71

Year	U.S. landings				Imports	Total for U.S. consumption
	Bay	Calico	Sea	Total		
	Thousand pounds					
1960. . . .	2,031	112	26,599	28,742	6,873	35,615
1961. . . .	1,708	26	27,461	*29,195	8,652	37,847
1962. . . .	3,159	17	24,634	27,810	11,563	*39,373
1963. . . .	1,517	(1)	19,939	21,456	13,397	34,853
1964. . . .	1,887	-	16,914	18,801	16,175	34,976
1965. . . .	1,859	872	20,070	22,801	16,495	39,296
1966. . . .	1,780	1,857	15,975	19,612	16,712	36,324
1967. . . .	1,097	1,410	10,243	12,750	13,461	26,211
1968. . . .	1,491	89	13,818	15,398	14,581	29,979
1969. . . .	2,114	199	9,312	11,625	14,322	25,947
1970. . . .	1,711	1,833	7,292	10,836	16,830	27,666
1971. . . .	1,455	1,566	6,264	9,285	*17,387	26,672

1/ Less than 500 pounds. *Record.

SUPPLY OF SCALLOP MEATS, 1960-71



SUPPLY OF FRESH AND FROZEN SPINY LOBSTERS, 1960-71

Year	U.S. Landings 1/	Imports 2/	Total
	Thousand pounds		
1960	3,210	32,346	35,556
1961	3,235	32,610	35,845
1962	3,664	35,947	39,611
1963	4,180	34,048	38,228
1964	4,088	35,104	39,192
1965	6,237	37,814	44,051
1966	5,844	36,923	42,767
1967	4,868	35,340	40,208
1968	7,476	43,062	50,538
1969	8,781	*44,992	*53,773
1970	*10,346	37,741	48,087
1971	8,439	41,792	50,231

1/ Round weight. 2/ Imported weight, consisting largely of tails. *Record.

SUPPLY OF FRESH AND FROZEN NORTHERN LOBSTERS, 1960-71

Year	U.S. landings				Imports		Total supply
	Maine	Other States	Total	Percent of total	Total 1/	Percent of total	
	Thousand pounds			Percent	Thousand pounds	Percent	Thousand pounds
1960	24,014	7,154	31,168	59.1	21,403	40.7	*52,571
1961	20,918	7,080	27,998	56.8	21,299	43.2	49,297
1962	22,075	7,422	29,497	57.2	22,101	42.8	51,598
1963	22,804	7,470	30,274	58.1	21,847	41.9	52,121
1964	21,413	9,545	30,958	60.3	20,386	39.7	51,344
1965	18,862	11,384	30,246	61.9	18,597	38.1	48,843
1966	19,916	9,625	29,541	63.4	17,047	36.6	46,588
1967	16,489	10,256	26,745	63.2	15,568	36.8	42,313
1968	20,502	12,056	32,558	66.0	16,753	34.0	49,311
1969	19,835	13,952	33,787	65.9	17,447	34.1	51,234
1970	18,172	15,980	*34,152	66.6	17,113	33.4	51,265
1971	17,539	15,808	33,347	65.2	17,835	34.8	51,182

1/ Record imports, 1951 (23,558,000 pounds). *Record.

SUPPLY OF CANNED CRAB MEAT, 1960-71

Year	U.S. pack	Percent of total supply	Imports 1/	Percent of total supply	Total supply
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1960	4,115	47.7	4,507	52.3	8,622
1961	5,000	54.1	4,237	45.9	9,237
1962	5,621	61.6	3,505	38.4	9,126
1963	7,356	58.1	5,296	41.9	12,652
1964	6,567	59.3	4,508	40.7	11,075
1965	9,139	68.8	4,152	31.2	13,291
1966	*11,002	83.1	2,233	16.9	13,235
1967	9,707	81.8	2,160	18.2	11,867
1968	4,019	46.4	4,635	53.6	8,654
1969	5,027	59.4	3,436	40.6	8,463
1970	5,097	64.8	2,765	35.2	7,862
1971	2,698	42.0	3,723	58.0	6,421

1/ Record imports: 13,507,000 in 1939. *Record.

SUPPLY OF FISH MEAL, 1960-71

Year	U.S. production		Imports		Total
	Tons	Percent	Tons	Percent	Tons
1960	290,137	68.8	131,561	31.2	421,698
1961	311,265	58.8	217,845	41.2	529,110
1962	*312,259	55.3	252,307	44.7	564,566
1963	255,907	40.5	376,321	59.5	632,228
1964	235,252	34.9	439,143	65.1	674,395
1965	254,051	48.4	270,666	51.6	524,717
1966	223,821	33.3	447,784	66.7	671.605
1967	211,189	24.5	651,486	75.5	862,675
1968	235,136	21.6	*855,285	78.4	*1,090,421
1969	252,664	41.4	358,350	58.6	611,014
1970	269,197	51.7	251,492	48.3	520,689
1971	292,429	50.8	283,249	49.2	575,678

*Record.

SUPPLY OF FISH SOLUBLES, 1960-71

Year	U.S. production 1/		Imports		Total
	Tons	Percent	Tons	Percent	Tons
1960	98,929	96.9	3,174	3.1	102,103
1961	112,254	94.3	6,739	5.7	118,993
1962	124,649	95.2	6,308	4.8	130,957
1963	107,402	93.8	7,112	6.2	114,514
1964	93,296	95.4	4,505	4.6	97,801
1965	94,840	94.9	5,138	5.1	99,978
1966	83,441	95.1	4,308	4.9	87,749
1967	74,675	95.3	3,669	4.7	78,344
1968	71,833	97.6	1,773	2.4	73,606
1969	81,692	99.8	161	.2	81,853
1970	94,968	99.5	474	.5	95,442
1971	110,403	99.9	56	.1	110,459

1/ Includes homogenized condensed fish for 1959-63. Note:--Imports of solubles are understood to be on a wet-weight basis except for those from the Republic of South Africa, which are believed to be on a dry-weight basis. Revised: U.S. production 100,384 tons, imports 26,630 tons, and total supply 191,989 tons in 1959.

SUPPLY OF FISH OILS, 1960-71 1/

Year	U.S. production	Imports	Total supply	Exports	Total for U.S. consumption
	Thousand pounds				
1960	205,619	8,932	214,551	143,659	70,892
1961	254,596	8,385	262,981	122,486	140,495
1962	247,464	10,755	258,219	123,050	135,169
1963	183,673	8,579	192,252	262,342	-70,090
1964	177,015	11,828	188,843	151,469	37,374
1965	192,773	5,989	198,762	103,807	94,955
1966	162,680	12,664	175,344	77,255	98,089
1967	119,915	6,952	126,874	76,816	50,058
1968	171,678	5,882	177,556	65,129	112,427
1969	169,785	4,206	173,991	196,073	-22,082
1970	205,404	5,543	210,947	158,787	52,160
1971	261,924	7,510	269,434	229,898	39,536

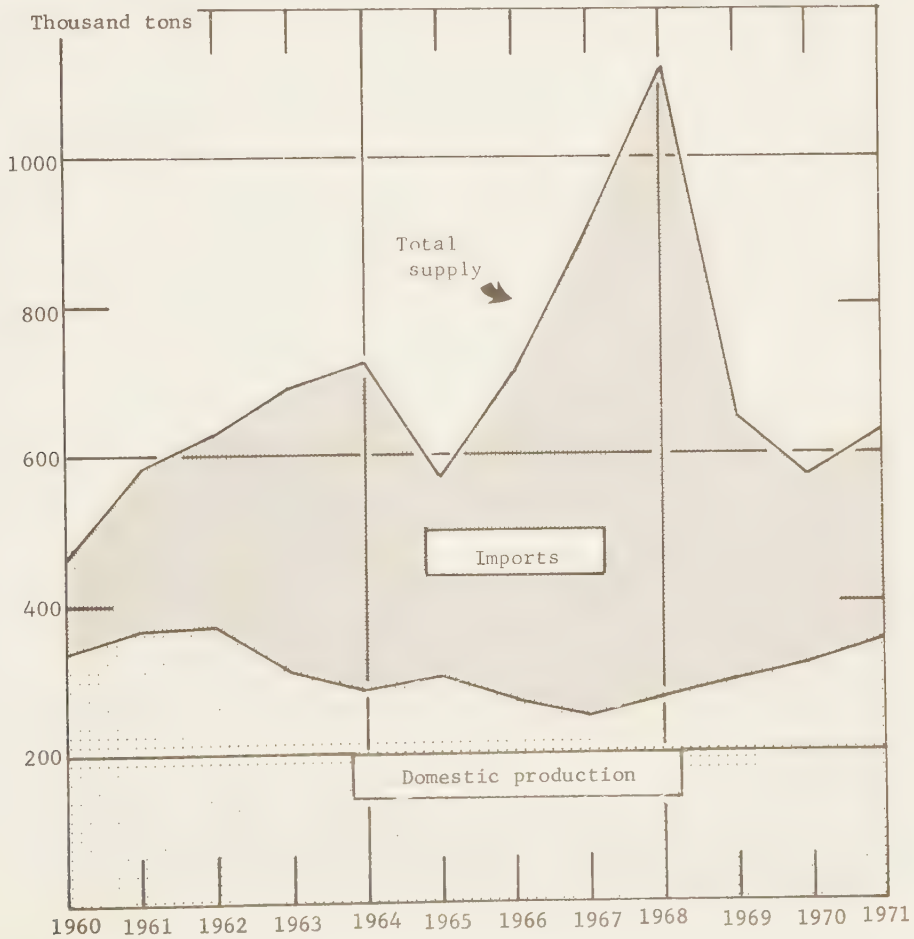
1/ Excludes liver, whale and sperm oil.

SUPPLY OF FISH MEAL AND SOLUBLES, 1960-71

Year	U.S. production 1/		Imports		Total
	Tons	Percent	Tons	Percent	Tons
1960	339,601	71.8	133,349	28.2	472,950
1961	367,392	62.3	221,923	37.7	589,315
1962	374,583	59.4	256,284	40.6	630,867
1963	309,608	44.9	380,132	55.1	689,740
1964	281,900	38.9	441,889	61.1	723,789
1965	301,471	52.9	268,097	47.1	569,568
1966	265,541	37.1	449,939	62.9	715,480
1967	248,527	27.6	653,320	72.4	901,847
1968	271,053	24.0	*856,171	76.0	*1,127,224
1969	293,510	45.0	358,430	55.0	651,940
1970	316,681	55.7	251,729	44.3	568,410
1971	347,631	55.1	283,277	44.9	630,908

1/ Includes homogenized condensed fish for 1960-63. Note:--Wet weight of solubles and homogenized condensed fish have been converted to dry weight by reducing their poundage by one-half. *Record (U.S. production: 389,231 tons in 1959).

U.S. SUPPLY OF FISH MEAL AND SOLUBLES, 1960-71



PURCHASES OF FRESH, FROZEN, AND CANNED FISHERY PRODUCTS
BY DEFENSE SUBSISTENCE SUPPLY CENTERS, 1960-71

Year	Fresh and frozen		Canned	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1960	22,917	11,839	7,350	4,110
1961	23,450	12,470	8,615	4,271
1962	23,356	14,388	9,024	4,795
1963	23,400	13,017	7,067	3,512
1964	26,341	15,040	8,777	4,326
1965	27,712	18,685	14,145	7,146
1966	31,283	23,071	12,861	13,398
1967	32,097	22,991	14,942	20,259
1968	28,706	25,215	14,241	10,735
1969	22,000	20,700	8,080	9,641
1970	18,419	16,734	8,135	17,966
1971	17,884	18,895	10,920	15,243

Note:--Armed Forces installations generally make some local purchases not included in the above data. Source:--U.S. Department of Defense.

PURCHASES OF PRINCIPAL FRESH AND FROZEN FISHERY PRODUCTS
BY DEFENSE SUBSISTENCE SUPPLY CENTERS, 1970 AND 1971

Product	1970	1971
	Thousand Pounds	
Shrimp:		
Raw headless	570	754
Peeled and deveined	598	892
Breaded	3,610	4,350
Molded and breaded	427	412
Total	5,205	6,408
Scallops	883	628
Oysters:		
Eastern	810	800
Pacific	421	201
Total	1,231	1,001
Fillets:		
Cod	120	225
Flounders	1,328	1,151
Ocean perch	1,485	1,144
Haddock	455	254
Portions:		
Haddock - cod	2,216	1,666
Flounder - ocean perch	3,059	2,445
Steaks:		
Halibut	408	398
Salmon	127	138
Spiny lobster tails	582	815

Note:--Armed Forces installations generally make some local purchases not included in the above data. Source:--U. S. Department of Defense.

PRICES

PRICES RECIEVED BY FISHERMEN

INDEXES OF EXVESSEL PRICES RECEIVED BY FISHERMEN, BY MONTHS, 1971

(1957-59=100)

Group	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
New England finfish.	224	186	174	172	137	156	192	233	185	195	231	257
Salmon	138	138	138	131	131	143	143	143	143	143	143	143
Tuna	156	156	157	158	159	160	164	164	164	164	164	164
Industrial fish. . .	115	115	115	115	115	115	115	115	115	115	115	115
All finfish. . . .	159	149	147	144	136	144	154	154	153	155	164	171
Shrimp	160	170	182	204	133	120	147	174	204	213	209	239
Other shellfish. . .	194	205	204	192	175	186	181	184	177	170	172	175
All shellfish. . .	179	190	195	197	157	158	174	189	188	188	188	202
All fish. . . .	163	167	168	167	145	151	163	175	168	169	174	184

Note:--Monthly prices for species representing about two-thirds of the total landed value of all fish and shellfish during recent years have been combined into index groups to indicate movement of prices received by fishermen. Source:--Market Research and Services Division.

INDEXES OF EXVESSEL PRICES RECEIVED BY FISHERMEN, 1965-71 1/

(1957-59=100)

Group	1965	1966	1967	1968	1969	1970 2/	1971
New England finfish.	98	108	109	116	137	172	195
Salmon	110	112	117	121	137	140	140
Tuna	100	123	104	116	122	137	161
Industrial fish. . .	120	126	108	102	122	128	115
All finfish. . . .	107	116	110	114	130	141	153
Shrimp	103	128	122	129	140	139	180
Other shellfish. . .	117	106	119	142	166	163	185
All shellfish. . .	111	115	120	136	155	153	184
All fish. . . .	109	116	114	124	140	146	166

1/ Simple averages of the 12 months. Source:--Market Research and Services Division.

2/ Revised.

WHOLESALE PRICES

AVERAGE WHOLESALE PRICES FOR EDIBLE FISH AND SHELLFISH, BY MONTHS, 1971

Group, subgroup, and item specification	Point of pricing	Unit	Jan.	Feb.	Mar.	Apr.	May	June
			Dollars					
FRESH AND FROZEN FISHERY PRODUCTS:								
Haddock, large, offshore, drawn, fresh.	Boston	lb.	.39	.36	.23	.22	.15	.32
Halibut, West., 20/80 lbs., dressed, fresh or frozen	New York	lb.	.55	.54	.54	.53	.53	.62
Salmon, king, large & medium, dressed, fresh or frozen	New York	lb.	1.36	1.36	1.30	1.29	1.25	1.21
Whitefish, L. Superior, drawn, fresh.	Chicago	lb.	.74	.83	.89	.92	.69	.54
Yellow pike, L. Michigan & Huron, round, fresh	New York	lb.	.90	.91	.92	.99	1.00	.97
PROCESSED, FRESH (Fish & Shellfish):								
Fillets, haddock, small, skins on, 20-lb. tins.	Boston	lb.	1.17	1.01	.74	.67	.60	.96
Shrimp, large (26-30 count), headless, fresh.	New York	lb.	1.30	1.41	1.54	1.63	1.71	1.60
Oysters, shucked, standards	Norfolk	gal.	8.38	8.38	8.38	8.38	8.38	8.38
PROCESSED, FROZEN (Fish & shellfish):								
Fillets: Flounder, skinless, 1-lb. package.	Boston	lb.	.52	.51	.50	.49	.50	.50
Haddock, small, skins on, 1-lb. package.	Boston	lb.	.61	.59	.57	.55	.56	.56
Ocean perch, large, skins on, 1-lb. package.	Boston	lb.	.38	.38	.38	.38	.38	.37
Shrimp, large (26-30 count), brown, 5-lb. package	Chicago	lb.	1.19	1.28	1.34	1.40	1.52	1.58
Shrimp, raw, breaded, (15-20 count), 4-lb. pkg.	Selected areas	lb.	1.14	1.13	1.18	1.19	1.23	1.30
Fish blocks, cod, raw, 13-1/2 - 16-lb. ctn..	Selected areas	lb.	.42	.41	.41	.41	.41	.41
Fish sticks, cod, precooked, breaded, 1/2-1-lb. pkg..	Selected areas	lb.	.63	.63	.64	.65	.65	.65
Fish portions, cod, raw, breaded, 6-lb. pkg.	Selected areas	lb.	.49	.50	.51	.51	.51	.52
CANNED FISHERY PRODUCTS:								
Salmon, pink, No. 1 tall (16 oz.) 48 cans/cs	Seattle	cs.	33.50	34.50	34.50	34.50	34.50	34.50
Tuna, light meat, chunk, No. 1/2 (6-1/2 oz.) 48 cans/cs	Los Angeles	cs.	16.35	17.10	17.10	17.10	17.10	17.10
Mackerel, jack, California, No. 1 tall (15 oz.) 48 cans/cs	Los Angeles	cs.	8.63	8.63	8.63	8.63	8.63	8.63
Sardines, Maine, keyless oil, 1/4 drawn (3-3/4 oz.) 100 cans/cs.	New York	cs.	15.25	15.25	15.25	15.25	15.25	15.75

(Continued on next page)

AVERAGE WHOLESALE PRICES FOR EDIBLE FISH AND SHELLFISH, BY MONTHS, 1971 - Continued

Group, subgroup, and item specification	Point of pricing	Unit	July	Aug.	Sept.	Oct.	Nov.	Dec.
FRESH AND FROZEN FISHERY PRODUCTS:					Dollars			
Haddock, large, offshore, drawn, fresh.	Boston	lb.	.42	.37	.33	.41	.37	.44
Halibut, West., 20/80 lbs., dressed, fresh or frozen	New York	lb.	.54	.55	.56	.53	.54	.56
Salmon, king, large & medium, dressed, fresh or frozen	New York	lb.	1.22	1.19	1.19	1.20	1.25	1.20
Whitefish, L. Superior, drawn, fresh.	Chicago	lb.	.54	.58	.66	.59	.59	.48
Yellow pike, L. Michigan & Huron, round, fresh	New York	lb.	1.00	1.00	1.07	1.00	1.00	.96
PROCESSED, FRESH (Fish & shellfish):								
Fillets, haddock, small, skins on, 20-lb. tins.	Boston	lb.	.83	1.08	.98	1.04	1.03	1.23
Shrimp, large (26-30 count), headless, fresh.	New York	lb.	1.65	1.72	1.58	1.50	1.66	1.90
Oysters, shucked, standards	Norfolk	gal.	8.50	8.38	8.75	8.50	8.50	8.75
PROCESSED, FROZEN (Fish & shellfish):								
Fillets: Flounder, skinless, 1-lb. package.	Boston	lb.	.51	.51	.53	.53	.53	.55
Haddock, small, skins on, 1-lb. package.	Boston	lb.	.56	.56	.56	.56	.56	.56
Ocean perch, large, skins on, 1-lb. package.	Boston	lb.	.37	.36	.36	.36	.36	.36
Shrimp, large (26-30 count), brown, 5-lb. package	Chicago	lb.	1.55	1.62	1.56	1.55	1.73	1.80
Shrimp, raw, breaded (15-20 count), 4-lb. pkg.	Selected areas	lb.	1.26	1.30	1.30	1.28	1.30	1.37
Fish blocks, cod, raw, 13-1/2 - 16-lb. ctn.	Selected areas	lb.	.43	.44	.45	.45	.45	.46
Fish sticks, cod, precooked, breaded, 1/2-1-lb. pkg.	Selected areas	lb.	.68	.69	.69	.69	.69	.69
Fish portions, cod, raw, breaded, 6-lb. pkg.	Selected areas	lb.	.53	.54	.54	.55	.55	.55
CANNED FISHERY PRODUCTS:								
Salmon, pink, No. 1 tall (16 oz.) 48 cans/cs	Seattle	cs.	34.50	35.50	36.00	35.50	35.50	36.00
Tuna, light meat, chunk, No. 1/2 (6-1/2 oz.) 48 cans/cs	Los Angeles	cs.	17.10	17.10	17.10	17.10	17.10	17.10
Mackerel, jack, California, No. 1 tall (15 oz.) 48 cans/cs	Los Angeles	cs.	8.63	8.63	8.63	8.63	8.63	8.63
Sardines, Maine, keyless oil, 1/4 drawn (3-3/4 oz.) 100 cans/cs.	New York	cs.	15.75	16.75	16.75	16.75	16.75	16.75

Note:--Represent average prices for one day (Monday or Tuesday) during the week in which the 13th of the month occurs. These prices are published as indicators of movement and not necessarily absolute level. Daily Market News Service "Fishery Products Reports" should be referred to for actual prices.

Source:--U.S. Department of Labor, Bureau of Labor Statistics.

PRICES

WHOLESALE PRICE INDEXES

WHOLESALE PRICE INDEXES FOR EDIBLE FISH AND SHELLFISH, BY MONTHS, 1971

Group	Jan.	Feb.	Mar.	Apr.	May	June
	Index (1957-59=100)					
All fish and shellfish (fresh, frozen, and canned)	130.0	132.6	130.9	132.2	132.4	137.1
Fresh and frozen fishery products	132.8	134.5	132.0	134.1	134.3	141.0
Drawn, dressed, or whole finfish	161.2	158.6	138.1	136.6	123.5	145.1
Processed, fresh (fish and shellfish)	126.6	130.5	133.5	137.8	141.3	141.0
Processed, frozen (fish and shellfish)	120.8	123.2	126.6	129.0	134.5	138.6
Canned fishery products	124.3	128.5	128.5	128.5	128.5	129.0

Group	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Index (1957-59=100)					
All fish and shellfish (fresh, frozen, and canned)	138.9	141.7	138.4	138.4	142.2	149.2
Fresh and frozen fishery products	143.8	146.7	141.6	141.8	147.5	157.8
Drawn, dressed, or whole finfish	156.6	149.9	145.3	154.2	152.8	158.1
Processed, fresh (fish and shellfish)	142.1	150.2	141.0	136.7	146.2	164.9
Processed, frozen (fish and shellfish)	137.4	141.4	139.8	139.1	145.6	150.6
Canned fishery products	129.0	131.4	132.0	131.4	131.4	132.0

Source:--U.S. Department of Labor, Bureau of Labor Statistics.

RETAIL PRICES

Estimated retail prices of fishery products are collected by the Bureau of Labor Statistics of the U.S. Department of Labor for use in the food component of the Consumer Price Index.

The Consumer Price Index (CPI) is based on prices from a sample of 39 standard Metropolitan Statistical Areas and 17 small cities collected to represent all urban areas of the United States, ranging in size from cities with a population of 2,500 to New York City. Agents collect monthly food prices from chain and independent retail food stores that voluntarily report their selling prices. Prices are those in effect on the day of the agent's visit and include any sale or weekend special prices which are offered on that day. The Bureau's agents use a description defining the quality or grade and size range for each food for which prices are collected. All prices are converted to a standard unit and population weights are employed in obtaining U.S. average prices for all areas combined.

RETAIL PRICES OF FISHERY PRODUCTS, 1970 AND 1971

Item		Jan.	Feb.	Mar.	April	May	June
CONSUMER PRICE INDEX FOR FISH (1967=100)	1970	112.5	113.5	114.8	115.8	116.8	117.6
	1971	125.4	127.0	127.7	128.6	129.4	130.3
RETAIL PRICES, U.S. AVERAGES:				Cents per unit			
Shrimp, frozen, 10 oz. (41 cities)	1970	101.3	101.7	102.2	102.0	102.3	102.7
	1971	99.0	100.9	101.3	101.8	103.0	103.9
Ocean Perch, fillet, frozen, lb. (38 cities)	1970	59.9	61.3	61.6	63.2	63.3	63.8
	1971	69.1	70.9	71.7	72.7	73.5	73.7
Haddock fillet, frozen, lb. (33 cities)	1970	81.4	83.5	85.3	86.0	87.4	88.4
	1971	93.8	96.4	98.4	98.9	100.0	101.2
Tuna, 6-1/2 oz. can (44 cities)	1970	37.5	37.8	38.3	38.7	39.2	39.4
	1971	43.3	43.6	43.9	44.3	44.2	44.4
Sardines, 4 oz. can (43 cities)	1970	16.5	16.6	16.6	16.9	17.1	17.3
	1971	19.3	19.6	19.7	19.8	20.0	20.4

Item		July	Aug.	Sept.	Oct.	Nov.	Dec.
CONSUMER PRICE INDEX FOR FISH (1967=100)	1970	117.7	118.6	119.9	121.4	122.8	124.4
	1971	131.0	131.9	132.5	132.8	132.9	133.1
RETAIL PRICES, U.S. AVERAGES:				Cents per unit			
Shrimp, frozen, 10 oz. (41 cities)	1970	102.3	101.8	102.0	101.6	101.2	100.4
	1971	105.4	106.1	106.8	107.1	107.8	107.1
Ocean perch, fillet, frozen, lb. (38 cities)	1970	64.0	64.7	65.6	66.3	66.6	68.5
	1971	73.5	73.3	73.2	73.7	72.2	71.8
Haddock fillet, frozen, lb. (33 cities)	1970	89.0	89.4	90.0	90.9	91.5	92.6
	1971	101.8	101.6	101.8	102.0	102.4	101.8
Tuna, 6-1/2 oz. can (44 cities)	1970	39.4	40.1	40.7	41.7	42.2	42.7
	1971	44.2	44.2	44.3	44.1	43.9	44.1
Sardines, 4 oz. can (43 cities)	1970	17.2	17.4	17.8	18.2	18.7	19.0
	1971	20.5	20.8	21.0	21.1	21.2	21.4

Source:--Department of Labor, Bureau of Labor Statistics.

VALUE OF PROCESSED FISHERY PRODUCTS AT PROCESSOR'S LEVEL, 1970 AND 1971

(Processed from domestic catch and imported products)

Item	1970		1971 1/	
	Thousand dollars	Percent of total	Thousand dollars	Percent of total
Canned	741,760	43.0	763,498	41.3
Packaged:				
Fillets and steaks	74,830	4.3	74,286	4.0
Fish sticks	57,722	3.3	56,807	3.0
Fish portions	97,930	5.7	122,842	6.60
Breaded shrimp	112,166	6.5	120,803	6.5
Other (fish and shellfish)	465,628	27.0	527,085	28.6
Cured	76,938	4.4	79,000	4.3
Industrial products 2/	99,540	5.8	105,679	5.7
Total	1,726,514	100.0	1,850,000	100.0

1/ Preliminary. 2/ Does not include the value of imported fish meal that may be further processed, or the value of seal skins.

ESTIMATED VALUE OF FISHERY PRODUCTS AT VARIOUS LEVELS, 1970 AND 1971

Level	1970			1971 1/		
	Domestic	Imports	Total	Domestic	Imports	Total
	Million dollars					
Processor (fishermen)	613	-	613	643	-	643
Import (declared value)	-	1,037	1,037	-	1,060	1,060
Processor	1,177	2/ 550	1,727	1,263	2/ 587	1,850
Wholesale	3/1,328	4/1,767	3,095	3/1,388	4/1,738	3,126
Retail	3/1,850	5/2,297	4,147	3/1,968	5/2,259	4,227

1/ Preliminary.
2/ Estimated value of products processed in the United States from imported raw material.
3/ Estimated on the basis of actual and estimated weighted average mark-ups for each of the 17 most important species of fish and shellfish and an overall estimated mark-up for the remaining species.
4/ Calculated by using the value at the processor level, of products processed in the United States from imports, plus the declared value of all U.S. imports except those further processed in the United States, and multiplying by an estimated average mark-up factor.
5/ Represents the wholesale value of imported fishery products multiplied by an estimated overall mark-up factor.

Per capita utilization of all commercially caught fish and shellfish is based on the total supply of fishery products, both edible and industrial, (see p.50) on a round-weight equivalent basis, without taking into consideration beginning or ending stocks, exports, defense purchases, or shipments to U.S. territories.

Per capita utilization figures are not comparable with per capita consumption data (see pp. 68-69). Per capita consumption figures are derived from using an edible (for human use) meat-weight basis rather than round weight. In addition, the determination of consumption includes allowances for beginning and ending stocks, exports, defense purchases, and shipments to U.S. territories, whereas the determination of utilization does not include such allowances.

Per capita utilization is derived by using total population including armed forces overseas and per capita consumption is derived by using civilian resident population as of July 1 each year.

TOTAL PER CAPITA UTILIZATION, 1950-71

Year	Total population including armed forces overseas	Total U.S. supply 1/	Per capita utilization		
			Domestic catch	Imports	Total
	Million persons	Million pounds	Pounds		
1950	152.3	6,547	32.2	10.8	43.0
1951	154.9	6,757	28.6	15.0	43.6
1952	157.6	7,636	28.1	20.4	48.5
1953	160.2	7,015	28.0	15.8	43.8
1954	163.0	7,593	29.2	17.4	46.6
1955	165.9	7,121	29.0	13.9	42.9
1956	168.9	7,569	31.2	13.6	44.8
1957	172.0	7,164	27.9	13.8	41.7
1958	174.9	7,526	27.1	15.9	43.0
1959	177.8	8,460	28.8	18.8	47.6
1960	180.7	8,223	27.3	18.2	45.5
1961	183.7	9,570	28.2	23.9	52.1
1962	186.5	10,408	28.7	27.1	55.8
1963	189.2	11,434	25.6	34.8	60.4
1964	191.8	12,031	23.7	39.0	62.7
1965	194.2	10,535	24.6	29.6	54.2
1966	196.5	12,469	22.2	41.3	63.5
1967	198.6	13,991	20.4	50.0	70.4
1968	200.6	17,381	20.7	65.9	86.6
1969	202.6	11,847	21.4	37.1	58.5
1970	204.8	11,464	24.0	32.0	56.0
1971 2/	207.0	11,755	24.0	32.8	56.8

1/ Includes commercial landings of both edible and industrial fishery products on a round weight basis. "Total supply" is not adjusted for beginning and ending stocks, exports, defense purchases, or shipments to U.S. territories.
2/ Preliminary.

PER CAPITA CONSUMPTION

Per capita consumption of fishery products declined from 11.8 pounds, edible meat, in 1970 to 11.2 pounds in 1971. This decline was the result of 6 percent lower landings and 3 percent lower imports in the fresh and frozen category. Canned production was up fractionally but imports were down 19 percent from 1970. Exports of all fishery products were up 14 percent. Total beginning stocks in 1971 were up 12 percent from 1970 and ended the year 1971 with an increase of 2 percent.

PER CAPITA CONSUMPTION OF COMMERCIALLY-CAUGHT FISH AND SHELLFISH, 1950-71

Year	Civilian resident population July 1	Per capita consumption			
		Fresh and Frozen	Canned	Cured	Total
	Million persons	Pounds, edible meat			
1950	150.8	6.3	4.9	0.6	11.8
1951	151.6	6.3	4.3	.6	11.2
1952	153.9	6.2	4.3	.7	11.2
1953	156.6	6.4	4.3	.7	11.4
1954	159.7	6.2	4.3	.7	11.2
1955	163.0	5.9	3.9	.7	10.5
1956	166.1	5.7	4.0	.7	10.4
1957	169.1	5.5	4.0	.7	10.2
1958	172.2	5.7	4.3	.6	10.6
1959	175.3	5.9	4.4	.6	10.9
1960	178.1	5.7	4.0	.6	10.3
1961	181.1	5.9	4.3	.5	10.7
1962	183.6	5.8	4.3	.5	10.6
1963	186.4	5.8	4.4	.5	10.7
1964	189.1	5.9	4.1	.5	10.5
1965	191.5	6.0	4.4	.5	10.9
1966	193.3	6.1	4.3	.5	10.9
1967	195.2	5.8	4.3	.5	10.6
1968	197.0	6.2	4.3	.5	11.0
1969	199.1	6.6	4.2	.4	11.2
1970 1/	201.6	6.9	4.5	.4	11.8
1971 2/	204.2	6.5	4.3	.4	11.2

1/ Revised.
2/ Preliminary.

PER CAPITA CONSUMPTION OF CANNED FISHERY PRODUCTS, 1950-71

Year	Mackerel, Pacific and jack	Salmon	Sardines, Maine and Pacific	Tuna	Shellfish	Other	Total
	Pounds						
1950	0.4	1.4	1.4	1.1	0.4	0.2	4.9
1951	.3	1.4	.8	1.2	.4	.2	4.3
1952	.4	1.4	.5	1.3	.3	.4	4.3
1953	.2	1.3	.7	1.4	.4	.3	4.3
1954	.1	1.1	.8	1.4	.4	.5	4.3
1955	.2	1.0	.6	1.4	.4	.3	3.9
1956	.2	1.1	.4	1.6	.4	.3	4.0
1957	.3	1.0	.4	1.6	.4	.3	4.0
1958	.1	1.1	.6	1.8	.4	.3	4.3
1959	.1	.9	.6	1.9	.5	.4	4.4
1960	.2	.7	.4	2.0	.4	.3	4.0
1961	.2	.8	.5	2.1	.4	.3	4.3
1962	.3	.9	.3	2.1	.4	.3	4.3
1963	.3	.9	.4	2.0	.5	.3	4.4
1964	.2	.7	.3	2.0	.5	.4	4.1
1965	.2	.9	.3	2.3	.5	.2	4.4
1966	.2	.8	.4	2.3	.4	.2	4.3
1967	.2	.7	.4	2.4	.5	.1	4.3
1968	.2	.7	.4	2.4	.5	.1	4.3
1969	.2	.7	.3	2.4	.4	.2	4.2
1970 1/	.3	.7	.3	2.5	.5	.2	4.5
1971 1/	.2	.7	.4	2.4	.5	.1	4.3

1/ Preliminary.

PER CAPITA CONSUMPTION OF CERTAIN FISHERY ITEMS, 1950-71

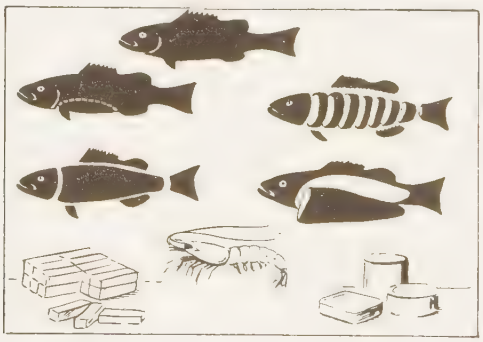
Year	Fillets and steaks 1/	Sticks and portions	Shrimp, raw, all preparations
	Pounds 2/		
1950	1.86	(3)	0.75
1951	2.23	(3)	.87
1952	2.14	(3)	.92
1953	2.02	(3)	.92
1954	2.22	(3)	.94
1955	1.84	(3)	.98
1956	1.82	(3)	.93
1957	1.91	(3)	.83
1958	1.82	0.48	.88
1959	1.70	.55	1.04

See footnotes at end of table. (Continued on next page)

PER CAPITA CONSUMPTION OF CERTAIN FISHERY ITEMS, 1950-71 - Continued

Year	Fillets and steaks 1/	Sticks and portions	Shrimp, raw, all preparations
		Pounds 2/	
1960	1.64	.63	1.08
1961	1.67	.71	1.01
1962	1.77	.82	1.02
1963	1.60	.92	1.17
1964	1.62	.98	1.16
1965	1.68	1.12	1.24
1966	1.74	1.14	1.21
1967	1.69	1.21	1.30
1968	1.88	1.32	1.37
1969	2.03	1.63	1.31
1970 4/	2.19	1.73	1.44
1971 4/	2.06	1.63	1.40

1/ Includes groundfish and other species. Does not include blocks, but fillets could be made into blocks from which sticks and portions could be produced.
2/ Product weight of fillets and steaks and sticks and portions, edible weight of shrimp.
3/ Data not available.
4/ Preliminary.



ANNUAL PER CAPITA CONSUMPTION OF FISH AND SHELLFISH, BY REGION AND COUNTRY

LATEST AVAILABLE DATA

Region and country	Period	Estimated edible weight
		Pounds
Europe:		
Albania	1964-66	2.4
Austria	1969-70	8.0
Belgium-Luxembourg	1963-65	17.7
Bulgaria	1964-66	4.8
Czechoslovakia	1964-66	13.7
Denmark	1966-68	45.9
Finland	1969-70	29.0
France	1966-68	17.7
Germany, East	1964-66	18.5
Germany, Federal Republic of	1966-68	16.1
Greece	1967	22.5
Hungary	1969	2.4
Iceland	1964-66	86.1
Ireland	1968	10.5
Italy	1968-69	12.9
Malta	1964-66	7.2
Netherlands	1968-69	12.1
Norway	1968-69	45.1
Poland	1964-66	10.5
Portugal	1969	44.3
Romania	1964-66	3.2
Spain	1969-70	29.8
Sweden	1969-70	45.9
Switzerland	1967-68	9.7
United Kingdom	1968-69	20.9
Yugoslavia	1968	1.6
Union of Soviet Socialist Republics	1964-66	22.5
North America:		
Canada	1969	12.9
United States	1971	11.2
Latin America:		
Argentina	1967	5.6
Barbados	1966	46.7
Bolivia	1964-66	1.6
Brazil	1966-68	6.4
Chile	1964-66	16.9
Colombia	1964-66	3.2
Costa Rica	1964-66	4.8
Cuba	1964-66	12.1
Dominican Republic	1964-66	8.9
Ecuador	1964-66	6.4
El Salvador	1964-66	3.2
Quatemala	1964-66	.8
Guyana	1967	37.0
Haiti	1964-66	.8
Honduras	1964-66	.8
Jamaica	1964-66	32.2
Mexico	1964-66	4.0
Nicaragua	1964-66	2.4
Panama	1969	21.7
Paraguay	1964-66	.8

(Continued on next page)

ANNUAL PER CAPITA CONSUMPTION OF FISH AND SHELLFISH, BY REGION AND COUNTRY

LATEST AVAILABLE DATA - Continued

Region and country	Period	Estimated edible weight
		Pounds
Latin America - Continued:		
Peru	1967	20.1
Puerto Rico	1964-66	8.0
Surinam	1968	16.9
Trinidad-Tobago	1964-66	29.0
Uruguay	1964-66	5.6
Venezuela	1966	25.7
Near East:		
Cyprus	1964-66	5.6
Iran	1964-66	.8
Iraq	1964-66	2.4
Israel	1968-69	13.7
Jordan	1964-66	1.6
Lebanon	1964-66	4.8
Libya	1969	4.8
Saudi Arabia	1964-66	4.8
South Yemen	1964-66	39.4
Sudan	1964-66	1.6
Syria	1964-66	1.6
Turkey	1964-66	4.0
United Arab Republic	1966-67	4.0
Yemen	1964-66	.8
Far East:		
Burma	1964-66	14.5
Cambodia	1964-66	47.5
Ceylon	1969	15.3
China (Mainland)	1964-66	8.0
China (Taiwan)	1969	33.0
Hong Kong	1964-66	46.7
India	1968-69	2.4
Indonesia	1964-66	9.7
Japan	1969	67.6
Korea, North	1964-66	16.1
Korea, Republic of	1968	22.5
Laos	1964-66	1.6
Malaysia:		
Sahab	1964-66	54.7
Sarawak	1964-66	29.0
West Malaysia	1964-66	30.6
Nepal	1964-66	.8
Pakistan	1968-69	4.0
Philippines	1969	45.9
Singapore	1964-66	45.1
Thailand	1964-66	20.9
Vietnam, North	1964-66	24.1
Vietnam, Republic of	1964-66	25.7

(Continued on next page)

ANNUAL PER CAPITA CONSUMPTION OF FISH AND SHELLFISH, BY REGION AND COUNTRY

LATEST AVAILABLE DATA - Continued

Region and country	Period	Estimated edible weight
		Pounds
Africa:		
Algeria	1964-66	1.6
Angola	1964-66	10.5
Burundi	1964-66	4.8
Cameroon	1964-66	11.3
Central African Republic	1964-66	8.0
Chad	1964-66	15.3
Congo (Brazzaville)	1964-66	29.8
Congo, Democratic Republic of	1964-66	9.7
Dahomey	1964-66	9.7
Gabon	1964-66	21.7
Gambia	1964-66	22.5
Ghana	1966-68	12.9
Guinea	1964-66	4.8
Ivory Coast	1964-66	14.5
Kenya	1964-66	3.2
Liberia	1964-66	12.1
Madagascar	1964-66	8.9
Malawi	1964-66	3.2
Mali	1964-66	8.9
Mauritania	1964-66	14.5
Mauritius	1969	9.7
Morocco	1964-66	3.2
Mozambique	1964-66	4.0
Niger	1964-66	.8
Nigeria	1964-66	4.0
Rhodesia	1964-66	4.0
Senegal	1964-66	30.6
Sierra Leone	1964-66	18.5
Somalia	1964-66	.8
South Africa	1960-61	20.1
Tanzania	1964-66	7.2
Togo	1964-66	6.4
Tunisia	1964-66	4.8
Uganda	1964-66	8.9
Upper Volta	1964-66	1.6
Zambia	1964-66	11.3
Oceania:		
Australia	1968-69	14.5
New Zealand	1969	15.3

Note:--Data for most countries are tentative.

Source:--Production Yearbook, 1970, Volume 24, Food and Agriculture Organization of the United Nations.

NUMBER OF FULL-TIME AND PART-TIME COMMERCIAL FISHERMEN, BY STATE, 1971 1/

State	Full-time	Part-time	Total
	Number		
Alabama	2,080	540	2,620
Alaska	14,900	3,800	18,700
Arkansas	630	2,410	3,040
California	9,000	2,300	11,300
Connecticut	200	450	650
Delaware	150	350	500
Florida	10,070	2,340	12,410
Georgia	720	830	1,550
Hawaii	1,160	270	1,430
Idaho	10	130	140
Illinois	110	340	450
Indiana	20	170	190
Iowa	210	650	860
Kansas	-	100	100
Kentucky	120	550	670
Louisiana	8,800	2,200	11,000
Maine	4,500	5,000	9,500
Maryland	5,450	4,050	9,500
Massachusetts	3,500	4,600	8,100
Michigan	160	350	510
Minnesota	210	490	700
Mississippi	2,310	1,280	3,590
Missouri	70	530	600
Montana	20	-	20
Nebraska	30	510	540
New Hampshire	50	400	450
New Jersey	2,150	850	3,000
New York	2,210	3,050	5,260
North Carolina	2,480	1,580	4,060
North Dakota	10	(2)	10
Ohio	40	280	320
Oklahoma	20	50	70
Oregon	4,140	860	5,000
Pennsylvania	10	20	30
Rhode Island	1,060	950	2,010
South Carolina	590	750	1,340
South Dakota	20	40	60
Tennessee	290	550	840
Texas	6,220	1,000	7,220
Virginia	4,700	2,800	7,500
Washington	8,680	1,320	10,000
West Virginia	-	10	10
Wisconsin	250	1,010	1,260
Wyoming	(2)	(2)	(2)

1/ All data are estimated. Data for 1971 are not directly comparable with previous years since this is the first year data were collected for "full-time" and "part-time" commercial fishermen. In the past these data have been collected for "regular" and "casual" fishermen. See Glossary for definitions of "full-time" and "part-time" commercial fishermen. A total for all States is not given because of possible duplication among some of the States. 2/ Less than 5.

ADDITIONS TO THE U.S. FISHING FLEET, 1970

Gross Tonnage	By tonnage groups									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number									
5 - 9	7	-	53	7	13	61	-	-	-	141
10 - 19	17	7	24	16	59	156	1	1	-	281
20 - 29	2	5	2	12	29	34	-	-	-	84
30 - 39	2	1	-	8	9	20	-	-	-	40
40 - 49	2	-	-	9	9	15	1	1	-	37
50 - 59	1	-	-	6	4	9	-	-	-	20
60 - 69	-	1	-	6	5	2	-	-	-	14
70 - 79	-	-	-	3	3	1	-	-	-	7
80 - 89	1	-	-	2	20	1	-	-	-	24
90 - 99	2	6	-	4	52	5	-	-	-	69
100 - 109	-	1	-	-	16	2	-	-	-	19
110 - 119	-	1	-	-	11	2	-	-	-	14
120 - 129	1	2	-	5	9	1	-	-	-	18
130 - 139	-	-	-	-	15	1	-	-	-	16
140 - 149	-	-	-	1	4	1	-	-	-	6
150 - 159	-	-	-	-	7	-	2	-	-	9
160 - 169	-	-	1	-	2	2	-	-	-	5
170 - 179	-	2	-	-	-	2	-	-	-	4
190 - 199	1	-	-	-	-	5	-	-	-	6
230 - 239	-	-	-	1	-	-	-	-	-	1
290 - 299	-	-	-	-	1	-	-	-	-	1
310 - 319	-	-	-	-	-	-	1	-	-	1
390 - 399	-	-	-	-	1	-	-	-	-	1
550 - 559	-	-	-	-	-	1	-	-	-	1
750 - 759	-	-	-	-	-	3	-	-	-	3
770 - 779	-	-	-	-	-	1	-	-	-	1
860 - 869	-	-	-	-	-	2	-	-	-	2
880 - 889	-	-	-	-	-	1	-	-	-	1
990 - 999	-	-	-	-	-	-	-	-	1	1
1130 - 1139	-	-	-	-	-	-	-	-	1	1
1550 - 1559	-	-	-	-	-	-	-	-	1	1
Total: Vessels	36	26	80	80	269	328	5	2	3	829
Gross tonnage	1,125	1,710	873	3,689	18,530	14,607	682	55	3,691	44,962

Length in feet	By length distribution									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number									
20 - 29	1	1	1	5	7	94	1	-	-	110
30 - 39	23	8	70	20	64	129	-	1	-	315
40 - 49	4	3	8	20	41	58	-	-	-	134
50 - 59	3	-	-	15	15	15	1	1	-	50
60 - 69	4	8	-	17	101	7	-	-	-	137
70 - 79	-	3	-	1	37	6	2	-	-	49
80 - 89	1	-	-	1	2	9	-	-	-	13
90 - 99	-	1	-	-	-	-	-	-	-	1
100 - 109	-	-	1	-	-	2	-	-	-	3
110 - 119	-	-	-	-	1	1	1	-	-	3
120 - 129	-	2	-	1	-	-	-	-	-	3
140 - 149	-	-	-	-	-	1	-	-	-	1
150 - 159	-	-	-	-	-	2	-	-	-	2
160 - 169	-	-	-	-	-	3	-	-	-	3

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ADDITIONS TO THE U.S. FISHING FLEET, 1970 - Continued

Length in feet	By length distribution									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number									
170 - 179	-	-	-	-	1	-	-	-	1	2
180 - 189	-	-	-	-	-	1	-	-	1	2
230 - 239	-	-	-	-	-	-	-	-	1	1
Total: Vessels	36	26	80	80	269	328	5	2	3	829

Horse power	By horsepower distribution									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number									
Under 100	4	-	1	3	8	38	-	-	-	54
100 - 199	16	1	25	19	65	124	1	-	-	251
200 - 299	6	4	21	16	31	86	-	-	-	164
300 - 399	7	10	29	26	121	39	-	-	-	232
400 - 499	2	3	2	5	21	12	1	-	-	46
500 - 599	-	1	1	4	17	5	-	1	-	29
600 - 699	-	4	1	6	4	7	-	-	-	22
700 - 799	1	1	-	-	1	9	2	1	-	15
800 - 899	-	-	-	-	1	-	-	-	-	1
1000 - 1099	-	2	-	1	-	-	-	-	-	3
1300 - 1399	-	-	-	-	-	-	1	-	-	1
1800 - 1899	-	-	-	-	-	1	-	-	-	1
2400 - 2499	-	-	-	-	-	1	-	-	-	1
2800 - 2899	-	-	-	-	-	5	-	-	-	5
3100 - 3199	-	-	-	-	-	1	-	-	-	1
3500 - 3599	-	-	-	-	-	-	-	-	1	1
3600 - 3699	-	-	-	-	-	-	-	-	1	1
3900 - 3999	-	-	-	-	-	-	-	-	1	1
Total: Vessels	36	26	80	80	269	328	5	2	3	829

Year built	By year built									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number									
1900. . . .	-	1	-	-	3	10	-	-	-	14
1903. . . .	-	-	-	-	-	1	-	-	-	1
1911. . . .	-	-	-	-	-	1	-	-	-	1
1913. . . .	-	-	-	-	-	1	-	-	-	1
1918. . . .	-	-	-	-	-	2	-	-	-	2
1919. . . .	-	-	-	-	-	3	-	-	-	3
1921. . . .	-	-	-	-	-	1	-	-	-	1
1923. . . .	-	-	-	-	1	-	-	-	-	1
1925. . . .	-	-	-	-	-	2	-	-	-	2
1926. . . .	-	-	-	-	-	2	-	-	-	2
1927. . . .	-	-	-	-	-	2	-	-	-	2
1928. . . .	-	-	-	-	-	1	-	-	-	1

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ADDITIONS TO THE U.S. FISHING FLEET, 1970 - Continued

Year built	By year built									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number									
1933. . . .	-	-	-	-	-	1	-	-	-	1
1934. . . .	-	-	-	-	-	2	-	-	-	2
1937. . . .	-	-	-	-	1	-	-	-	-	1
1938. . . .	-	-	-	-	1	-	-	-	-	1
1939. . . .	-	-	-	-	-	3	-	-	-	3
1940. . . .	-	1	-	-	-	1	-	-	-	2
1941. . . .	-	-	-	-	1	5	-	-	-	6
1942. . . .	1	-	-	-	-	1	-	-	-	2
1943. . . .	1	-	-	1	1	7	-	-	-	10
1944. . . .	-	-	1	2	-	11	-	-	-	14
1945. . . .	1	-	1	-	-	7	-	-	-	9
1946. . . .	2	-	1	-	-	3	-	-	-	6
1947. . . .	-	1	1	-	1	-	-	-	-	3
1948. . . .	1	2	-	-	-	-	-	-	-	3
1949. . . .	-	-	-	-	-	1	-	-	-	1
1950. . . .	1	-	-	-	-	3	-	-	-	4
1951. . . .	1	-	-	-	-	3	-	-	-	4
1952. . . .	-	-	-	-	1	1	-	-	-	2
1953. . . .	-	-	-	1	1	4	-	-	-	6
1954. . . .	1	-	-	-	2	1	-	-	-	4
1955. . . .	1	-	-	-	-	3	-	-	-	4
1956. . . .	-	-	1	1	-	-	1	-	-	3
1957. . . .	-	-	2	-	-	-	-	-	-	2
1958. . . .	-	-	-	-	1	2	-	-	-	3
1959. . . .	-	-	1	2	1	1	-	-	-	5
1960. . . .	-	1	1	-	-	2	-	-	-	4
1961. . . .	-	-	1	-	-	5	-	-	-	6
1962. . . .	-	-	2	-	-	2	-	-	-	4
1963. . . .	-	-	4	-	-	4	-	-	-	8
1964. . . .	-	-	-	2	1	2	-	-	-	5
1965. . . .	-	-	1	-	2	3	-	1	-	7
1966. . . .	-	-	1	1	2	8	-	-	-	12
1967. . . .	-	-	2	4	4	3	-	-	-	13
1968. . . .	-	1	5	1	4	4	-	-	-	15
1969. . . .	4	3	24	6	24	23	2	-	-	86
1970. . . .	22	16	31	59	217	186	2	1	3	537
Total	36	26	80	80	269	328	5	2	3	829

Note:--The above data represent the number of vessels receiving first documentation or were redocumented in 1970 by the U.S. Coast Guard with their service classed as fishing. It is possible that not all of the above vessels actually engaged in fishing. Thirty vessels were redocumented during 1970.
Source:--U.S. Coast Guard.

ADDITIONS TO THE U.S. FISHING FLEET, 1971

Gross tonnage	By tonnage groups									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number									
5 - 9	10	5	85	12	35	86	1	2	-	236
10 - 19	22	26	45	34	102	192	-	2	-	423
20 - 29	5	7	2	17	48	64	-	2	-	145
30 - 39	2	-	1	11	18	17	-	-	-	49
40 - 49	2	2	1	4	6	17	-	1	-	33
50 - 59	-	1	-	2	9	11	-	-	-	23
60 - 69	-	-	-	2	11	6	-	-	-	19
70 - 79	1	1	-	6	6	6	-	-	-	20
80 - 89	1	-	-	3	23	1	-	-	-	28
90 - 99	1	2	-	6	40	3	-	-	-	52
100 - 109	1	-	-	1	17	-	-	-	-	19
110 - 119	-	-	-	1	14	-	-	-	-	15
120 - 129	1	-	-	-	13	-	-	-	-	14
130 - 139	-	-	-	3	7	-	-	-	-	10
140 - 149	-	-	1	-	1	1	-	-	-	3
150 - 159	-	1	-	-	2	1	1	1	-	6
160 - 169	-	1	4	-	2	1	-	-	-	8
190 - 199	2	1	-	-	-	1	-	-	-	4
210 - 219	-	-	-	1	-	-	-	-	-	1
230 - 239	-	-	1	-	-	-	-	-	-	1
240 - 249	-	-	-	1	-	-	-	-	-	1
250 - 259	-	-	-	-	1	-	-	-	-	1
510 - 519	-	-	-	-	1	-	-	-	-	1
530 - 539	-	-	-	-	1	-	-	-	-	1
550 - 559	-	-	-	-	-	1	-	-	-	1
830 - 839	-	-	-	-	-	-	-	-	1	1
890 - 899	-	-	-	-	-	1	-	-	1	2
910 - 919	-	-	-	-	-	-	-	-	4	4
950 - 959	-	-	-	-	-	2	-	-	1	3
1110 - 1119	-	-	-	-	-	1	-	-	-	1
1230 - 1239	-	-	-	-	-	-	-	-	1	1
1240 - 1249	-	-	-	-	-	-	-	-	1	1
1270 - 1279	-	-	-	-	-	-	-	-	1	1
1300 - 1309	-	-	-	-	-	-	-	-	1	1
1320 - 1329	-	-	-	-	-	-	-	-	3	3
Total: Vessels	48	47	140	104	357	412	2	8	14	1,132
Gross tonnage	1,528	1,459	2,322	4,129	19,183	13,332	158	275	15,379	57,765

Length in feet	By length distribution									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number									
20 - 29	7	5	3	11	27	150	-	2	-	205
30 - 39	26	27	101	42	111	166	1	4	-	478
40 - 49	7	6	27	20	68	57	-	-	-	185
50 - 59	1	3	2	8	17	23	-	-	-	54
60 - 69	1	3	1	16	94	8	-	1	-	124
70 - 79	4	-	1	5	34	3	1	-	-	48
80 - 89	-	1	3	1	2	-	-	1	-	8

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ADDITIONS TO THE U.S. FISHING FLEET, 1971 - Continued

Length in feet	By length distribution									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number									
90 - 99	-	2	1	-	1	-	-	-	-	4
100 - 109	2	-	-	-	-	-	-	-	-	2
120 - 129	-	-	1	1	1	-	-	-	-	3
140 - 149	-	-	-	-	-	1	-	-	-	1
160 - 169	-	-	-	-	2	3	-	-	-	5
170 - 179	-	-	-	-	-	-	-	-	2	2
180 - 189	-	-	-	-	-	-	-	-	1	1
190 - 199	-	-	-	-	-	1	-	-	7	8
210 - 219	-	-	-	-	-	-	-	-	4	4
Total: Vessels	48	47	140	104	357	412	2	8	14	1,132

Horse-power	By horsepower distribution									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number									
Under 100	-	1	5	10	17	49	-	2	-	84
100 - 199	20	8	30	16	108	162	-	3	-	347
200 - 299	11	9	39	20	55	115	-	-	-	249
300 - 399	11	16	50	28	126	53	1	2	-	287
400 - 499	3	5	5	6	23	14	-	-	-	56
500 - 599	1	3	3	13	15	3	1	-	-	39
600 - 699	-	3	6	5	4	6	-	-	-	24
700 - 799	-	1	1	3	4	3	-	-	-	12
800 - 899	1	1	-	1	1	-	-	1	-	5
900 - 999	-	-	-	1	1	-	-	-	-	2
1000 - 1099	-	-	1	1	1	2	-	-	-	5
1100 - 1199	1	-	-	-	-	-	-	-	-	1
1200 - 1299	-	-	-	-	-	1	-	-	-	1
1500 - 1599	-	-	-	-	2	-	-	-	-	2
2800 - 2899	-	-	-	-	-	-	-	-	1	1
3100 - 3199	-	-	-	-	-	-	-	-	5	5
3500 - 3599	-	-	-	-	-	-	-	-	1	1
3600 - 3699	-	-	-	-	-	4	-	-	7	11
Total: Vessels	48	47	140	104	357	412	2	8	14	1,132

Year built	By year built									
	New England	Middle Atlantic	Chesa-peake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number									
Unknown	-	-	1	1	1	6	-	-	-	9
1908. . . .	-	-	-	-	-	1	-	-	-	1
1909. . . .	-	-	1	-	-	-	-	-	-	1
1912. . . .	-	-	-	-	-	1	-	-	-	1
1914. . . .	-	-	-	-	-	1	-	-	-	1
1916. . . .	-	-	-	-	-	1	-	-	-	1
1917. . . .	-	-	-	-	-	1	-	-	-	1
1918. . . .	-	-	-	-	-	2	-	-	-	2

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ADDITIONS TO THE U.S. FISHING FLEET, 1971 - Continued

Year built	By year built									
	New England	Middle Atlantic	Chesapeake	South Atlantic	Gulf	Pacific Coast	Great Lakes	Hawaii	Puerto Rico	Total
	Number									
1921	-	-	-	-	-	1	-	-	-	1
1923	-	-	-	-	-	3	-	-	-	3
1925	-	-	-	-	1	1	-	-	-	2
1926	-	-	1	-	-	3	-	-	-	4
1928	-	-	1	-	1	2	-	-	-	4
1929	-	-	-	-	-	2	-	-	-	2
1930	-	-	1	-	-	-	-	1	-	2
1931	-	-	-	-	-	1	-	-	-	1
1932	-	1	-	-	-	-	-	-	-	1
1933	-	-	3	-	-	1	-	-	-	4
1934	-	-	-	-	-	1	-	-	-	1
1935	-	-	1	-	1	2	-	-	-	4
1936	-	1	1	-	-	1	-	-	-	3
1937	-	-	1	-	-	1	-	-	-	2
1938	-	-	2	-	1	2	-	-	-	5
1939	-	-	-	-	-	1	-	-	-	1
1940	-	1	1	-	-	4	-	-	-	6
1941	-	-	-	-	-	1	-	-	-	1
1942	1	-	1	-	1	1	-	-	1	5
1943	-	-	2	1	1	2	-	-	-	6
1944	-	-	2	-	1	8	-	-	-	11
1945	-	-	1	-	1	6	-	-	-	8
1946	-	1	-	3	-	4	-	-	-	8
1947	-	1	1	-	1	4	-	1	-	8
1948	-	2	1	2	2	2	-	-	-	9
1949	-	-	4	-	1	3	-	-	-	8
1950	-	-	-	-	-	2	-	-	-	2
1951	-	1	-	1	1	-	-	-	-	3
1952	-	-	3	-	2	2	-	-	-	7
1953	-	1	1	1	1	3	-	-	-	7
1954	-	1	-	-	-	1	-	-	-	2
1955	-	-	1	2	2	2	-	-	-	7
1956	-	-	1	-	5	3	-	1	-	10
1957	-	-	2	-	-	-	-	-	-	2
1958	-	-	3	1	3	5	-	-	-	12
1959	-	-	1	1	1	3	-	-	-	6
1960	-	-	1	3	-	-	-	-	-	4
1961	-	2	5	1	1	3	-	-	-	12
1962	1	1	4	-	6	2	-	-	-	14
1963	-	-	8	1	1	3	-	-	-	13
1964	1	1	1	1	4	1	-	-	-	9
1965	-	1	4	2	6	4	-	-	-	17
1966	-	1	3	2	5	5	-	-	-	16
1967	1	2	1	4	4	4	-	-	-	16
1968	1	1	9	1	5	4	-	-	-	21
1969	1	2	5	4	3	10	-	-	-	25
1970	4	6	21	13	20	40	-	-	1	- 105
1971	38	20	40	59	274	245	2	4	13	695
Total: Vessels	48	47	140	104	357	412	2	8	14	1,132

Note:--The above data represent the number of vessels receiving first documentation or were redocumented in 1971 by the U.S. Coast Guard with their service classed as fishing. It is possible that not all of the above vessels actually engaged in fishing. Twenty-six vessels were redocumented during 1971. Source:-- U.S. Coast Guard.

PROCESSING AND WHOLESALING ESTABLISHMENTS AND EMPLOYMENT, 1970 AND 1969

Area and State	1970									1969		
	Processors			Wholesalers			Total			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year		Season	Year
	Number											
New England:												
Maine	106	5,129	2,949	144	405	284	250	5,534	3,233	254	5,885	3,586
New Hampshire	10	425	385	3	12	11	13	437	396	13	464	391
Massachusetts	125	4,800	4,097	108	1,043	894	233	5,843	4,991	237	5,829	5,034
Rhode Island	14	271	217	18	106	87	32	377	304	33	345	291
Connecticut	4	26	21	5	19	15	9	45	36	10	53	45
Total	259	10,651	7,669	278	1,585	1,291	537	12,236	8,960	547	12,576	9,347
Middle Atlantic:												
New York	49	1,328	1,220	156	1,180	1,148	205	2,508	2,368	208	2,310	2,190
New Jersey	40	1,766	1,481	62	311	275	102	2,077	1,756	103	2,248	1,891
Pennsylvania and Delaware	21	1,602	1,295	39	326	287	60	1,928	1,582	59	1,737	1,509
Total	110	4,696	3,996	257	1,817	1,710	367	6,513	5,706	370	6,295	5,590
Chesapeake:												
Maryland	95	4,366	3,392	110	446	398	205	4,812	3,790	250	4,937	3,695
Virginia	120	5,188	3,452	140	646	569	260	5,834	4,021	306	5,328	3,565
Total	215	9,554	6,844	250	1,092	967	465	10,646	7,811	556	10,265	7,260
South Atlantic:												
North Carolina	70	1,744	1,053	106	464	328	176	2,208	1,381	164	2,462	1,463
South Carolina	20	702	587	49	298	167	69	1,000	754	72	1,017	769
Georgia	16	2,074	1,633	37	262	147	53	2,336	1,780	54	2,380	1,836
Florida, East Coast	45	1,330	1,168	89	249	224	134	1,579	1,392	141	1,742	1,540
Total	151	5,850	4,441	281	1,273	866	432	7,123	5,307	431	7,601	5,608
Gulf:												
Florida, West Coast	138	4,137	3,507	170	526	459	308	4,663	3,966	316	4,693	3,809
Alabama	43	1,383	875	13	423	186	56	1,806	1,061	67	1,673	1,009
Mississippi	43	1,458	990	19	124	78	62	1,582	1,068	63	1,573	965
Louisiana	122	4,612	3,177	113	643	491	235	5,255	3,668	223	5,119	3,439
Texas	88	4,069	2,978	68	1,250	686	156	5,319	3,664	156	5,439	3,499
Total	434	15,659	11,527	383	2,966	1,900	817	18,625	13,427	825	18,497	12,721

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PROCESSING AND WHOLESALING ESTABLISHMENTS AND EMPLOYMENT, 1970 AND 1969

Area and State	1970									1969		
	Processors			Wholesalers			Total			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year		Season	Year
	Number											
Pacific:												
Alaska 1/	108	6,500	3,000	-	-	-	108	6,500	3,000	163	8,584	3,450
Washington	112	3,004	2,475	28	320	241	140	3,324	2,716	138	3,402	2,390
Oregon	51	3,174	2,254	9	29	25	60	3,203	2,279	60	3,314	2,344
California	115	8,446	6,895	87	776	716	202	9,222	7,611	200	8,690	6,990
Total	386	21,124	14,624	124	1,125	982	510	22,249	15,606	561	23,990	15,174
Great Lakes:												
New York	9	86	84	12	87	81	21	173	165	21	194	174
Pennsylvania	3	16	12	3	3	3	6	19	15	6	20	17
Ohio	17	526	499	12	27	21	29	553	520	31	499	433
Illinois and Indiana	17	520	486	27	284	272	44	804	758	45	807	747
Michigan	27	263	214	25	94	82	52	357	296	56	448	331
Minnesota	3	79	36	5	11	11	8	90	47	8	92	46
Wisconsin	30	308	276	9	58	45	39	366	321	38	313	284
Total	106	1,798	1,607	93	564	515	199	2,362	2,122	205	2,373	2,032
Mississippi River:												
Alabama	5	86	42	12	58	53	17	144	95	13	55	53
Arkansas	5	83	41	22	45	45	27	128	86	28	117	112
Illinois	18	53	51	21	66	62	39	119	113	40	119	112
Indiana	-	-	-	12	88	81	12	88	81	12	65	58
Iowa	8	74	59	11	40	35	19	114	94	21	107	96
Kansas, Kentucky and Nebraska	4	183	155	25	118	117	29	301	272	30	313	272
Louisiana	18	221	99	24	86	82	42	307	181	42	303	178
Minnesota	5	111	71	12	30	26	17	141	97	17	140	100
Mississippi, Oklahoma and Texas	3	430	373	48	180	179	51	610	552	49	597	557
Missouri	6	400	332	29	84	80	35	484	412	35	479	416
North Dakota and South Dakota	3	18	10	7	20	14	10	38	24	10	46	26
Ohio	-	-	-	6	6	6	6	6	6	6	6	6
Tennessee	3	34	20	33	109	105	36	143	125	33	114	109
Wisconsin	9	287	269	16	28	27	25	315	296	25	346	324
Total	87	1,980	1,522	278	958	912	365	2,938	2,434	361	2,807	2,419

See footnotes at end of table.

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PROCESSING AND WHOLESALING ESTABLISHMENTS AND EMPLOYMENT, 1970 AND 1969

Area and State	1970									1969		
	Processors			Wholesalers			Total			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year		Season	Year
	Number											
Other:												
Hawaii and American Samoa.	28	1,742	1,418	11	28	28	39	1,770	1,446	38	(2)	(2)
Puerto Rico.	4	2,351	1,871	-	-	-	4	2,351	1,871	4	(2)	(2)
Total	32	4,093	3,289	11	28	28	43	4,121	3,317	42	3,973	3,506
Grand Total	1,780	75,405	55,519	1,955	11,408	9,171	3,735	86,813	64,690	3,898	88,377	63,657

1/ Data for Alaska are estimated.
2/ Not available.

PLANTS PRODUCING CANNED, INDUSTRIAL AND PACKAGED FISHERY PRODUCTS, 1971

Area and State	Canned fishery products	Industrial fishery products	Packaged fishery products	Total plants, exclusive of duplication
	Number			
New England:				
Maine	22	10	10	42
Massachusetts	5	2	47	54
Rhode Island	-	1	1	1
Connecticut	1	-	1	2
Total	28	13	59	99
Middle Atlantic:				
New York	9	-	23	32
New Jersey	13	4	3	20
Pennsylvania	4	1	-	5
Delaware	1	-	-	1
Total	27	5	26	58
Chesapeake:				
Maryland	4	4	-	8
Virginia	4	8	3	13
Total	8	12	3	21
South Atlantic and Gulf:				
North Carolina	4	15	3	19
South Carolina	2	-	1	3
Georgia	-	1	-	1
Florida	2	3	19	23
Alabama	-	2	2	4
Mississippi	11	6	-	17
Louisiana	19	29	1	47
Texas	1	2	-	3
Total	39	58	26	117
Great Lakes and Mississippi River:				
Illinois	1	-	17	18
Iowa	-	2	3	5
Kansas	1	-	-	1
Michigan	1	-	16	17
Minnesota	-	-	6	6
Missouri	-	-	1	1
Nebraska	1	-	-	1
New York	-	-	5	5
Ohio	-	-	10	10
Pennsylvania	-	-	3	3
Wisconsin	3	1	22	26
Total	7	3	83	93
Pacific:				
Alaska	57	-	-	57
Washington	34	7	13	54
Oregon	15	3	9	26
California	21	17	23	53
Total	127	27	45	190
Hawaii	1	-	-	1
American Samoa	2	2	-	2
Puerto Rico	4	3	-	4
Grand Total	243	123	242	585

EMPLOYMENT, FISHING CRAFT, AND ESTABLISHMENTS, VARIOUS YEARS, 1930-70

Item	1930	1940	1950	1960	1970
	Number				
Persons employed:					
Fishermen	119,716	124,795	161,463	130,431	132,448
Processing and wholesaling 1/	78,996	90,215	102,015	93,625	86,813
Total	198,712	215,010	263,478	224,056	219,261
Craft utilized:					
Vessels 2/	4,374	5,562	11,496	12,018	13,187
Motor boats	35,437	31,055	46,067	56,889	68,197
Other boats	37,961	35,193	34,747	8,150	2,113
Total	77,772	71,810	92,310	77,057	83,497
Vessels documented for fishing:					
First documentation	(3)	320	812	408	792
Redocumentation	(3)	(3)	29	24	30
Total	(3)	(3)	841	432	822
Fishery shore establishments:					
Pacific Coast States	569	579	700	515	510
Atlantic Coast and Gulf States	2,024	2,038	2,699	2,898	2,618
Great Lakes and Mississippi River States	402	438	484	772	564
Hawaii	(3)	(3)	(3)	22	43
Total	2,995	3,055	3,883	4,207	3,735

1/ Average for season.
2/ Craft 5 net tons and over as documented by U.S. Coast Guard.
3/ Data not available.

FISHERY PRODUCTS INSPECTION

PRODUCTS INSPECTED IN FISCAL YEAR 1971

Region	Federal (continuous) inspection		Lot inspection	Total		
	Plants	Products	Products	Plants under inspection	Products inspected	Production in plants under inspection
	Number	Thousand pounds		Number	Thousand pounds	
Northeast	18	199,777	7,066	18	206,843	294,943
Southeast	10	49,910	29,704	10	79,614	109,171
Southwest	6	14,385	13,591	6	27,976	22,557
Northwest	2	5,095	4,944	2	10,039	5,095
Total	36	269,167	55,305	36	324,472	431,766

Source:--National Marine Fisheries Service, Fishery Products Research and Inspection Division.

FISHERY COOPERATIVES IN THE UNITED STATES, VIRGIN ISLANDS AND PUERTO RICO, 1971

Region and State	Members	Craft	Functions performed by cooperatives					Other	Total
			Marketing and purchasing	Marketing exclusively	Collective bargaining exclusively	Purchasing exclusively	Marketing, purchasing and collective bargaining		
	Number								
New England:									
Maine	413	243	4	-	-	3	-	-	7
Massachusetts	732	593	5	-	-	-	-	-	5
Rhode Island	130	44	1	-	-	-	-	-	1
Total	1,275	880	10	-	-	3	-	-	13
Middle Atlantic:									
New Jersey	90	46	1	1	-	-	-	-	2
New York	1/	1/	1	1	-	-	-	-	2
Total	90	46	2	2	-	-	-	-	4
South Atlantic and Gulf:									
Florida	166	205	1	5	-	-	-	-	6
Georgia	200	100	1	1	-	-	-	-	2
Louisiana	109	155	2	4	1	-	-	-	7
Mississippi	375	1	-	1	-	-	-	-	1
South Carolina	10	25	1	1	-	-	-	-	2
Texas	56	90	1	2	-	-	-	-	3
Total	916	576	6	14	1	-	-	-	21
Great Lakes and Inland areas:									
Arkansas	34	-	-	1	-	-	-	-	1
Minnesota	220	120	1	1	-	-	-	-	2
Ohio	5	5	-	1	-	-	-	-	1
Tennessee	75	-	1	-	-	-	-	-	1
Total	334	125	2	3	-	-	-	-	5
Pacific Coast:									
Alaska	3,027	1,671	7	11	4	1	7	4	34
California	2,499	1,057	-	4	4	-	3	2/ 1	12
Oregon	16	16	-	1	-	-	-	-	1
Washington	2,345	2,174	-	8	-	-	1	-	9
Total	7,887	4,918	7	24	8	1	11	5	56
Hawaii	7	7	1	1	-	-	-	-	2
Puerto Rico	42	4	-	2	-	-	-	3/ 1	3
Virgin Islands	1/	1/	1	-	-	-	-	-	1
Grand total	10,551	6,556	29	46	9	4	11	6	105

1/ Not reported. 2/ Marine insurance. 3/ Production.

Source:--National Marine Fisheries Service, Market Research and Services Division.

MARINE SPORT FISHERIES: NUMBER OF MARINE ANGLERS, EXPENDITURES AND TOTAL CATCH, BY COAST, VARIOUS YEARS, 1955-70

Year	Anglers			
	Atlantic	Gulf	Pacific	Total
	Thousand			
1955	2,343	1,077	1,137	4,557
1960	3,383	1,437	1,472	6,292
1965	4,178	2,084	2,043	8,305
1970	5,010	2,272	2,178	9,460

Year	Expenditures			
	Atlantic	Gulf	Pacific	Total
	Thousand dollars			
1955	213,653	98,209	177,077	488,939
1960	346,373	144,857	134,961	626,191
1965	331,179	176,104	292,373	799,656
1970	636,380	404,646	183,679	1,224,705

Year	Total catch			
	Atlantic	Gulf	Pacific	Total
	Thousand pounds			
1955	(1)	(1)	(1)	(1)
1960	731,852	411,110	237,339	1,380,301
1965	836,481	375,575	262,297	1,474,353
1970	(2)	(2)	(2)	(2)

1/ Catch survey not conducted in 1955.

2/ Data not available at publication time.

Sources:-- 1. National Survey of Fishing and Hunting for 1955, 1960 and 1965. U.S. Department of the Interior.
2. Salt-Water Angling Survey for 1960 and 1965, U.S. Department of the Interior.
3. Preliminary data from 1970 National Survey of Fishing and Hunting, U.S. Department of the Interior.

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( )	GL-2	Michigan, Ohio and Wisconsin Landings

GLOSSARY

For the data in this publication to be used effectively, the reader must have a clear understanding of the terms associated with the data. Following are definitions of those terms we feel could have different interpretations by our readers.

Boat, motor: A motor-driven commercial fishing craft having a capacity of less than 5 net tons.

Boat, other: Commercial fishing craft not powered by a motor, e.g., row or sailboat, having a capacity of less than 5 net tons.

Breaded shrimp: Peeled shrimp coated with breading. The product may be identified as fantail (butterfly) and round with or without tail fins and last shell segment; and as portions, sticks, steaks, etc., when prepared from a composite unit of two or more shrimp pieces, whole shrimp or a combination of both, without fins or shells.

Breading: A finely ground mixture containing cereal products, flavorings, and other products, that is applied to a product that has been moistened usually with batter.

Butterfly fillets: The two skin-on sides of the fish corresponding to two single fillets held together by the uncut flesh and skin of the belly.

Canned fishery products: Fish, shellfish, or other aquatic animals packed singly or in combination with other terms in hermetically sealed heat sterilized cans, jars, or other suitable containers. Most, but not all canned fishery products can be stored at room temperature for an indefinite period of time without spoiling.

Catch, marine sport fish: Quantities of fish caught, but not necessarily brought ashore, by recreational marine anglers.

Commercial fisherman: An individual who derives income from catching and selling living resources taken from fresh- or salt-water bodies.

Consumption (of edible fishery products): Estimated amount of commercially landed fish, shellfish, and other aquatic animals consumed by the civilian population of the United States. Estimates are on an edible weight basis and have been adjusted for beginning and ending inventories of edible fishery products; U.S. production of fishery products from both domestically-caught and imported fish, shellfish and other edible aquatic plants and animals; imports; exports; purchases by the U.S. armed forces; and shipments to U.S. territories.

Cured fishery products: Products preserved by drying, pickling, salting, and smoking. Does not include canned, frozen, irradiated or pasteurized products. Dried products are cured by sun or air-drying; pickled or salted products are those products preserved by applying salt, or by pickling (immersing in brine); smoked products are cured with smoke or a combination of smoking and drying or salting.

Exvessel price: Price received by a fisherman for fish, shellfish and other aquatic plants and animals landed at the dock.

Fish block: Boneless or virtually boneless fish flesh frozen into blocks weighing over 10 pounds and suitable for the production of fish sticks and portions.

Fish fillets: The sides of fish that are either skinned or have the skin on, cut lengthwise from the backbone. Most types of fillets are boneless or virtually boneless; some may be specified as "boneless fillets."

Fish meal: A ground, dried product made from fish or shellfish or parts thereof, generally produced by cooking raw fish or shellfish with steam and pressing the material to obtain the solids which are then dried.

Fish oil: An oil processed from the body (body oil) or liver (liver oil) of fish. Most fish oils are a byproduct of the production of fish meal.

Fish portion: A piece of fish flesh generally of uniform size with thickness of 3/8 of an inch or more and which does not conform to the definition of a fish stick. A fish portion is generally cut from a fish block.

Fish solubles: Extracted from the residual press liquor (called "stick water") after the solids are removed for drying (fish meal) and the oil extracted by centrifuging. This residue is generally condensed to 50 percent solids and marketed as "condensed fish solubles."

Fish steak: Cross-section slices cut from large dressed fish. Steaks are usually about 3/4 of an inch thick.

Fish stick: An elongated piece of breaded fish flesh weighing not less than 3/4 of an ounce and not more than 1-1/2 ounces with the largest dimension at least three times that of the next largest dimension. A fish stick is generally cut from a block of fillets.

Full-time commercial fisherman: An individual who spends 50 percent or more of his working year in commercial fishing activities, including port activity such as vessel repair, re-rigging, etc.

Groundfish: Broadly, fish that are caught on or near the sea floor. The term includes a wide variety of bottom fishes, rock fishes and flat fishes. However, the National Marine Fisheries Service generally uses the term in a narrower sense. In this "Fisheries of the United States," the term applies to the following species: cod, cusk, haddock, hake, pollock and Atlantic ocean perch.

Industrial fishery products: Products manufactured from fish, shellfish or other aquatic plants and animals which are not consumed directly by humans, such as fish meal, fish oils, condensed fish solubles, pearl essence, shark and other aquatic animal skins, and products from sea weeds and shells.

Landings, commercial: Quantities of fish, shellfish and other aquatic plants and animals brought ashore and sold. Landings of fish may be in terms of round (live) weight or dressed weight. Landings of crustaceans are generally on a live weight basis except for shrimp which may be on a heads-on or heads-off basis. Mollusks are generally landed with the shell on but in some cases only the meats are landed (such as scallops). Data for all mollusks are published on a meat weight basis.

Packaged fish: In this publication, fresh or frozen, raw fish fillets, steaks, tenderloins, butterfly fillets, and similar products packed in consumer or institutional-size packages.

Part-time commercial fisherman: An individual who spends less than 50 percent of his working year in commercial fishing activities.

Per capita consumption: Consumption of edible fishery products in the United States, divided by the total civilian population. In calculating annual per capita consumption, estimates of the civilian resident population of the United States on July 1 of each year are used. These estimates are taken from Current Population Reports Series P-25, published by the U.S. Bureau of the Census.

GLOSSARY

Per capita utilization: The utilization of all fishery products both edible and non-edible in the United States, divided by the total population of the United States.

Processed fishery products: Fish, shellfish and other aquatic plants and animals, and products thereof, preserved by canning, freezing, cooking, dehydrating, drying, fermenting, pasteurizing, adding salt or other chemical substances, and other commercial processes. Also, changing the form of fish, shellfish or other aquatic plants and animals from their original state into a form in which they are not readily identifiable, such as fillets, steaks, or shrimp logs.

Retail (fish) price: The price of fish, shellfish and other aquatic plants or animals, and products thereof, sold to the final consumer. Prices charged by food and speciality stores.

Round (live) weight: The weight of fish, shellfish or other aquatic plants and animals as taken from the water; the complete or full weight as caught. The tables on world catch found in this publication include in the case of mollusks the weight of both the shells and the meats, whereas the tables on U.S. landings include only the weight of the meats.

Utilization of fishery products: Estimated disappearance of the total supply of fishery products both edible and inedible on a round weight basis without taking into consideration beginning or ending stocks, exports, military purchases or shipments to U.S. territories.

Vessel: A commercial fishing craft having a capacity of 5 net tons or more. These craft are either enrolled or documented by the U.S. Coast Guard and have an official number assigned by that agency. A commercial fishing craft is one that is engaged in capturing fish, shellfish, or other aquatic plants or animals for sale.

Wholesale (fish) price: Price of fish, shellfish and other aquatic plants and animals, and products thereof, charged by manufacturers and other producers for sale generally in large quantities.

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